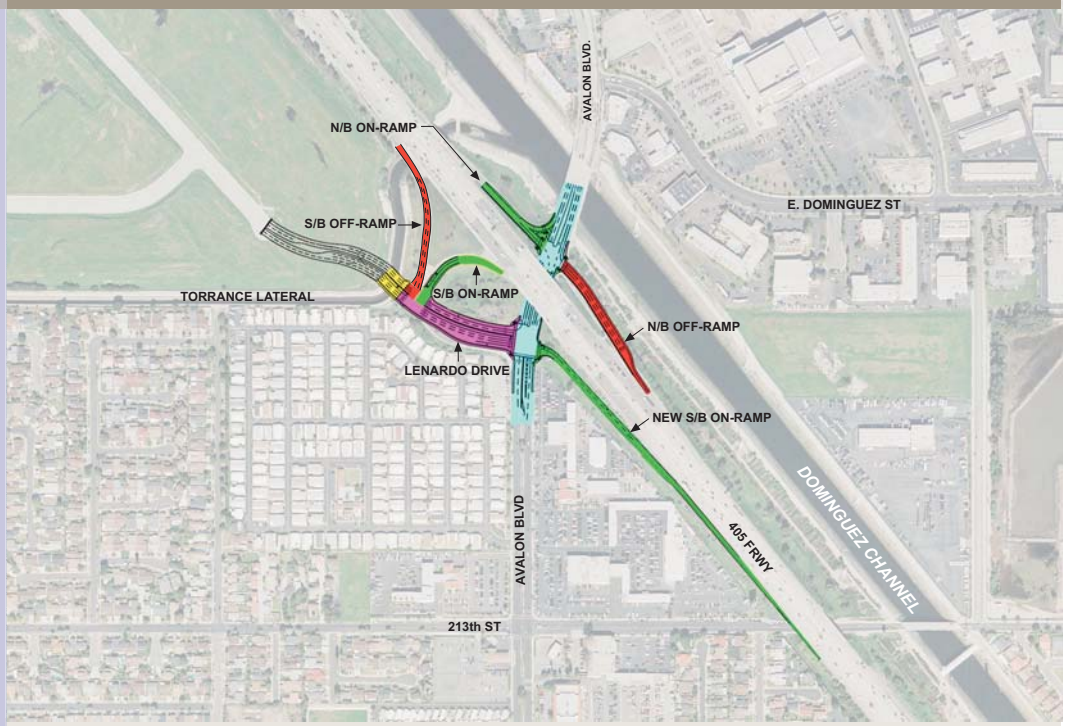

Air Quality Impacts Technical Report of I-405/Avalon Boulevard Interchange Improvements

Interstate 405/Avalon Boulevard Interchange
City of Carson, Caltrans-District 7, Los Angeles County, California, 07-LA-405_PM 10.8/11.4

June 2007

AIR QUALITY TECHNICAL REPORT

I-405/AVALON BOULEVARD INTERCHANGE IN THE CITY OF CARSON

LOCATIONS

Caltrans – District #7
Los Angeles County

Along the I-405 Freeway, approximately 1.36 miles southeast (south by route orientation) of the I-405 interchange with Main Street and 0.69 miles northwest (north by route orientation) of the interchange with Carson Street. Also located approximately 1.7 miles southeast of the interchange of the I-405 and I-110 Freeways.

Post mile 10.8 to 11.4.

U.S. Geological Survey (USGS) 7.5-minute Torrance quadrangle topographic map in an unsectioned portion, T. 3 S., R. 13 W.

Prepared by: Mark Hagmann
PCR SERVICES CORPORATION
233 Wilshire Boulevard
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Signed: _____

Prepared for: Andrew Yoon, Senior Transportation Engineer
Air Quality Branch
Division of Planning
District 7
Signed: _____

JUNE 2007

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LIST OF ABBREVIATED TERMS

Abbreviation	Definition
ADT	Average Daily Traffic Count
AQMP	Air Quality Management Plans
Basin	South Coast Air Basin
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
Caltrans	California Department of transportation
CARB	California Air Resources Board
CCAA	California Clean Air Act
CFR	Code of Federal Regulations
CO	Carbon Monoxide
DPM	Diesel particulate matter
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HOV	High Occupancy Vehicles
I-405	Interstate 405
ISCST3	Industrial Source Complex
LOS	Level of Service
MPO	metropolitan planning organization
NAAQS	National Ambient Air Quality Standards
NO_2	Nitrogen Dioxide
NOx	Nitrogen Oxides
O_3	Ozone
Pb	Lead
PM_{10}	Particulate matter
$PM_{2.5}$	Particulate matter
POAQC	Projects of Air Quality Concern

LIST OF ABBREVIATED TERMS (Continued)

Abbreviation	Definition
RCPG	Regional Comprehensive Plan and Guide
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SIP	State Implementation Plans
SO_2	sulfur dioxide
SO_4	Sulfates
SRA	Source Receptor Area
TAC	Toxic Air Contaminants
$\mu g/m^3$	micrograms per cubic meter
USEPA	United States Environmental Protection Agency
USGS	U.S. Geological Survey
V/C	vehicle to capacity
VOC	Volatile Organic Compounds

SUMMARY

The City of Carson proposes to improve the configuration of the existing interchange of Avalon Boulevard at Interstate 405 (I-405) in the City of Carson. The proposed improvements would realign existing ramps in three of the interchange quadrants and add a new ramp in the fourth quadrant.

The need for the modification of the I-405/Avalon Boulevard interchange was first identified in the early 1990s as one of the conditions of approval for a then proposed development referred to as the Metro 2000 Project, a regional shopping mall to be constructed at the southwest quadrant of the interchange. That project was not developed, but continued interest in development of the site led to the approval of the Carson Marketplace Project in February 2006, a 168-acre, mixed-use development with neighborhood commercial, regional commercial, recreation/entertainment, restaurant, hotel, and residential development. This project, like the Metro 2000 project, requires the proposed improvements for the I-405/Avalon Boulevard interchange for its full implementation.

The project is proposed to accomplish the following purposes: (1) Increase the capacity of the interchange and provide new turning movements, allowing accessibility for all directional movements at the interchange; (2) Link the Carson Marketplace Project site as well as other areas west of the I-405 with a route to the I-405 Freeway; (3) Provide a balanced circulation system, reduce out of direction travel, reduce vehicle miles traveled, and thus providing traffic relief for numerous roadway intersections in the western portion of Carson that surrounds the project interchange; (4) Allow development of the Carson Marketplace Project to proceed; and (5) Support continued development in the west side of Carson, pursuant to exiting plans, goals and policies of the City.

The project consists of one Build Alternative and one No-Build Alternative. Other alternative actions for this project have been considered, including a second build alternative that was described in a 1996 PSR for the project, however the proposed Build Alternative has been concluded to be the only feasible alternative for the project.

The proposed Build Alternative would improve the configuration of the existing interchange of Avalon Boulevard at I-405. The intersection would be redesigned to link the site of the Carson Marketplace project to the intersection and Avalon Boulevard with an extension of Lenardo Drive to Avalon Boulevard. The existing southbound ramps lying between the Carson Marketplace site and Avalon Boulevard would be realigned and a new southbound ramp would be provided east of Avalon Boulevard. In addition the northbound on- and off-ramps would be improved to increase their capacity and turning

movements. Minor modifications would be made along Avalon Boulevard to provide an appropriate interface with the new ramps.

Under the No-Build Alternative, there would be no alterations to the existing intersection. Roadway capacity would remain unchanged. There would be no changes to the physical environment.

Construction of the proposed project would generate fugitive dust and combustion emissions from the use of heavy-duty construction equipment on-site and from construction worker trips as well as from delivery and haul truck travel to and from the project site. Construction related daily regional emissions from both direct and indirect sources are forecasted to exceed the reference thresholds for nitrogen oxides (NO_x). Thus, emissions of these pollutants would result in a short-term regional air quality impact during the project's construction phase. An analysis of local air quality impacts from construction operations has also been conducted. This analysis indicates that the proposed project NO_x, PM_{10}, and $PM_{2.5}$ emissions would exceed their applicable screening thresholds. Since NO_x, PM_{10}, and $PM_{2.5}$ exceed reference thresholds, dispersion modeling was performed. Modeling using ISCST3 dispersion model shows an exceedance of $PM_{10,}$ but NO_x and $PM_{2.5}$ concentrations are below reference thresholds. Localized PM_{10} impacts during short-term construction activities at areas in close proximity to the project's construction sites would occur. Construction of the proposed project would result in a less than significant cancer risk from diesel particulate emissions and no construction activities are proposed which would create objectionable odors. Mitigation measures are proposed to address the project's short-term adverse impacts due to construction.

Operation of the project (Build Alternative) would not be expected to increase pollutant emissions since the project itself would not generate trips. Also, the project is not expected to contain any stationary sources of pollutants. As mentioned previously, the project would improve traffic flow at most intersections in the study area. A CO hotspots analysis was not required pursuant to the Caltrans CO Protocol for Conformity Determination. Therefore, operational emissions as a result of the project would be less than significant.

Future increases in PM_{10} and $PM_{2.5}$ violations of the NAAQS are not anticipated as a result of the proposed Build Alternative. This is due to the net traffic improvements, such as improvement in LOS, decrease in ADT and reduction of idling time, as compared to the future No-Build Alternative. These improvements in traffic circulation result in a corresponding decrease in emissions of PM_{10} and $PM_{2.5}$. Future new or worsened PM_{10} and $PM_{2.5}$ violations are not anticipated, therefore, the proposed Build Alternative meets the conformity hot-spot requirements for both PM_{10} and $PM_{2.5}$.

CHAPTER 1. INTRODUCTION

1.1 PROJECT DESCRIPTION AND LOCATION

1.1.1 Introduction

The City of Carson proposes to improve the configuration of the existing interchange of Avalon Boulevard at Interstate 405 (I-405) in the City of Carson. The proposed improvements would realign existing ramps in three of the intersection quadrants, linking the interchange to the adjacent Carson Marketplace Project and add a new ramp in the fourth.

As indicated in Figure 1 on page 4, the project is located within the City of Carson in the County of Los Angeles. It lies approximately 1.36 miles southeast (south by route orientation) of the I-405 interchange with Main Street and 0.69 miles northwest (north by route orientation) of the interchange with Carson Street. It is also located approximately 1.7 miles southeast of the interchange of the (I-405 and I-110 Freeways).

The project site is situated in a built urban area, surrounded by an array of commercial uses, with residential and service uses lying in a larger perimeter. One large vacant parcel lies next to the project site. This site is intended for development of the Carson Marketplace, a 168-acre, mixed-use development with neighborhood commercial, regional commercial, commercial recreation/entertainment, restaurant, hotel, and residential uses.

The project site consists mostly of existing freeway ramps that are scheduled for realignment and/or widening, existing roadways, and the ramp/roadway shoulders that lie adjacent to them. See Figure 2 on page 5. These shoulders are comprised of fill materials that were placed during construction of the roadways. The site also includes a public infrastructure improvement, the Torrance Lateral Drainage Channel. The project is located within the Caltrans right-of-way, except for the segment of the Lenardo Drive bridge over the Torrance Lateral, which is located in the Los Angeles County Flood Control District right-of-way. The project requires no acquisitions for its implementation. Final disposition of the right-of-way over the Torrance Lateral will be determined through an agreement amongst the agencies.

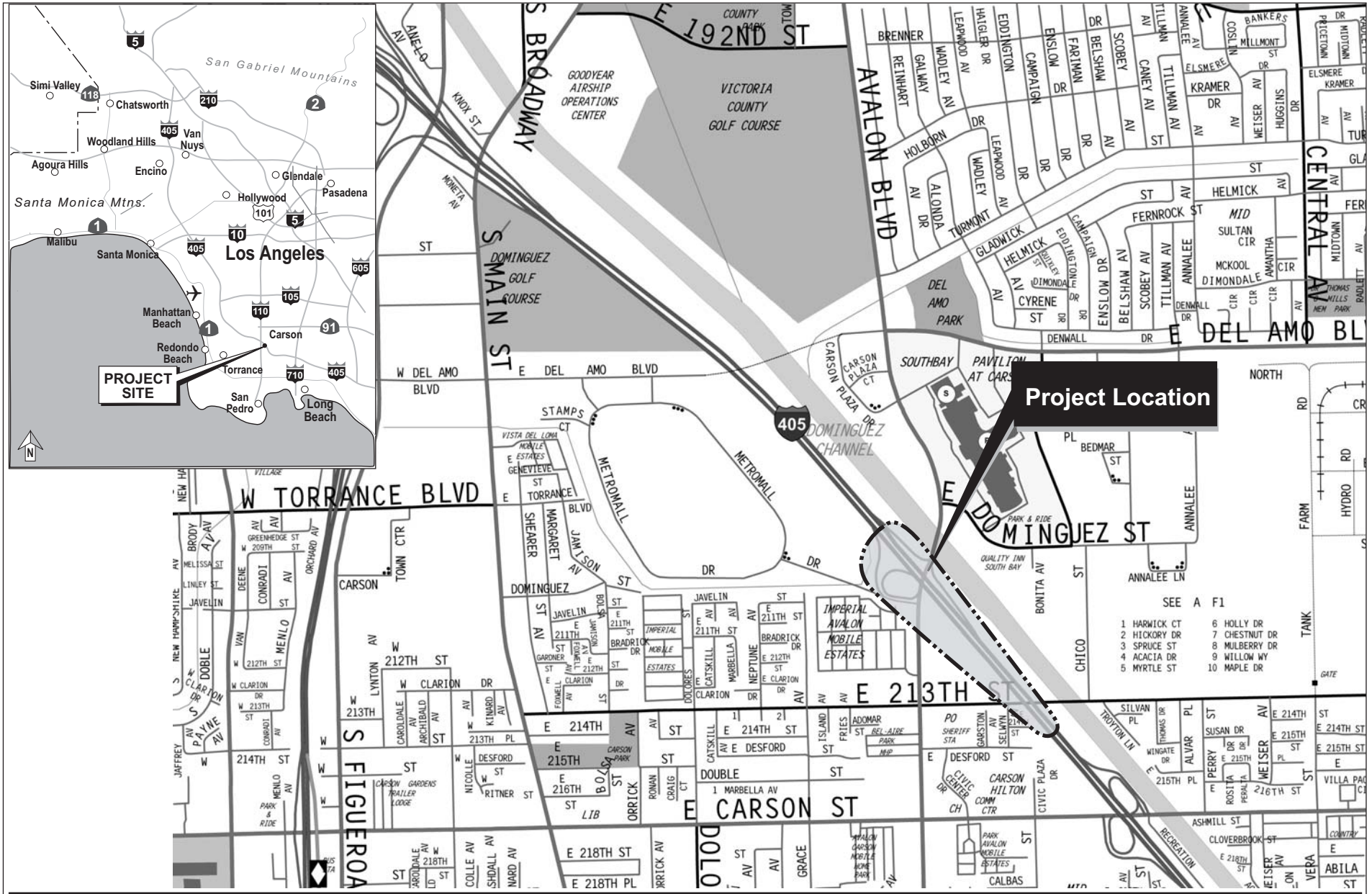


Figure 1
Project Location

PCR

N

0 300 600 1200 Feet

Figure 2
Existing Interchange

Source: PCR Services Corporation, 2006.

1.1.2 Purpose and Need

The need for the modification of the I-405/Avalon Boulevard interchange was first identified in the early 1990s as one of the conditions of approval for a then proposed development referred to as the Metro 2000 Project, a regional shopping mall to be constructed at the southwest quadrant of the interchange. The modification was proposed as the most effective way of mitigating impacts of that project.

The Metro 2000 Project did not move forward. However, continued interest in development of the former Metro 2000 Project site culminated with the approval of the Carson Marketplace Project in February 2006. The currently proposed Carson Marketplace Project is a 168-acre, mixed-use development with neighborhood commercial, regional commercial, recreation/entertainment, restaurant, hotel, and residential uses. The Carson Marketplace Project, like the Metro 2000 Project, requires the proposed improvements for the I-405/Avalon Boulevard interchange for its full implementation.

Further, the City of Carson is undergoing considerable growth, with future decreases in service level expected at the project's 2030 horizon year. Traffic studies of 14 intersections in the project vicinity indicate that service levels under the No Build Alternative would be at LOS E or F during peak hours at four intersections, with reduced service elsewhere in the system, in contrast to no intersections operating at LOS E or F today. Particularly affected would be the intersections of Main Street and Carson Street (with delays increasing from 42.5 seconds to 162.0 seconds in the P.M. peak hour), Main Street and Torrance Boulevard (with delays increasing from 26.6 seconds to 114.2 seconds in the P.M. peak hour) and Avalon Boulevard and Del Amo Boulevard (with delays increasing from 30.6 seconds in the P.M. peak hour to 98.4 seconds in the P.M. peak

The expected development of the Metro 2000 /Carson Marketplace Project site and the related improvements have been considered by the City in the preparation of their 2004 update to the City of Carson General Plan. The improvements were incorporated into traffic studies and in the selection of future land use designations. The proposed improvements would support development of the Carson Marketplace Project and would also meet the needs of otherwise growing traffic volumes in the project vicinity. The project is proposed to accomplish the following purposes:

- Increase the capacity of the interchange and provide new turning movements, allowing accessibility for all directional movements at the interchange.

- Link the Carson Marketplace Project site as well as other areas west of the I-405 with a direct route to the I-405 Freeway.

- Provide a balanced circulation system, reduce out of direction travel, and reduce vehicle miles traveled, thus providing traffic relief for numerous intersections in the western portion of Carson that surround the project interchange.

- Allow development of the Carson Marketplace Project to proceed. In so doing, to:

  - Support existing plans of the City of Carson.

  - Support the productive reuse of a large brownfield site for productive use.

  - Provide a signature project for the City of Carson with a mixed-use project that offers entertainment, commercial and residential opportunities for the City residents.

  - Support the economic development of the City.

- Support continued development of parcels on the west side of the City of Carson, pursuant to City Plans and Policies, and market forces for development within the City. In so doing to:

  - Supports the City's effort to accommodate market demand for development, and accommodate new development on underutilized lands in the western part of the City.

  - Support the City's effort to implement development in accord with adopted Redevelopment Plans.

  - Support the economic development of the City.

1.1.3 Project Features – Build and No-Build Alternatives

1.1.3.1 Introduction

The project consists of one Build Alternative and one No-Build Alternative. Other alternative build actions for this project have been considered, including a second build alternative that was described in a 1996 PSR for the project. Reasons leading to the selection of a single Build Alternative include the following: (1) The proposed Build Alternative can be built without acquisition of any additional property, which is not true of

potential alternatives to it; (2) Unlike the second build alternative in the 1996 PSR, the proposed Build Alternative avoids construction on a known hazardous site; (3) The proposed project confines improvements to modifications and/or extensions to existing ramps, limiting the need to explore entirely new roadway/ramps and limiting construction effort; and (4) Other alternatives to the proposed Build Alternative would require more circuitous routing of traffic with increases in vehicle miles traveled, and increases in related environmental impacts such as air quality and noise.

1.1.3.2 Proposed Build Alternative

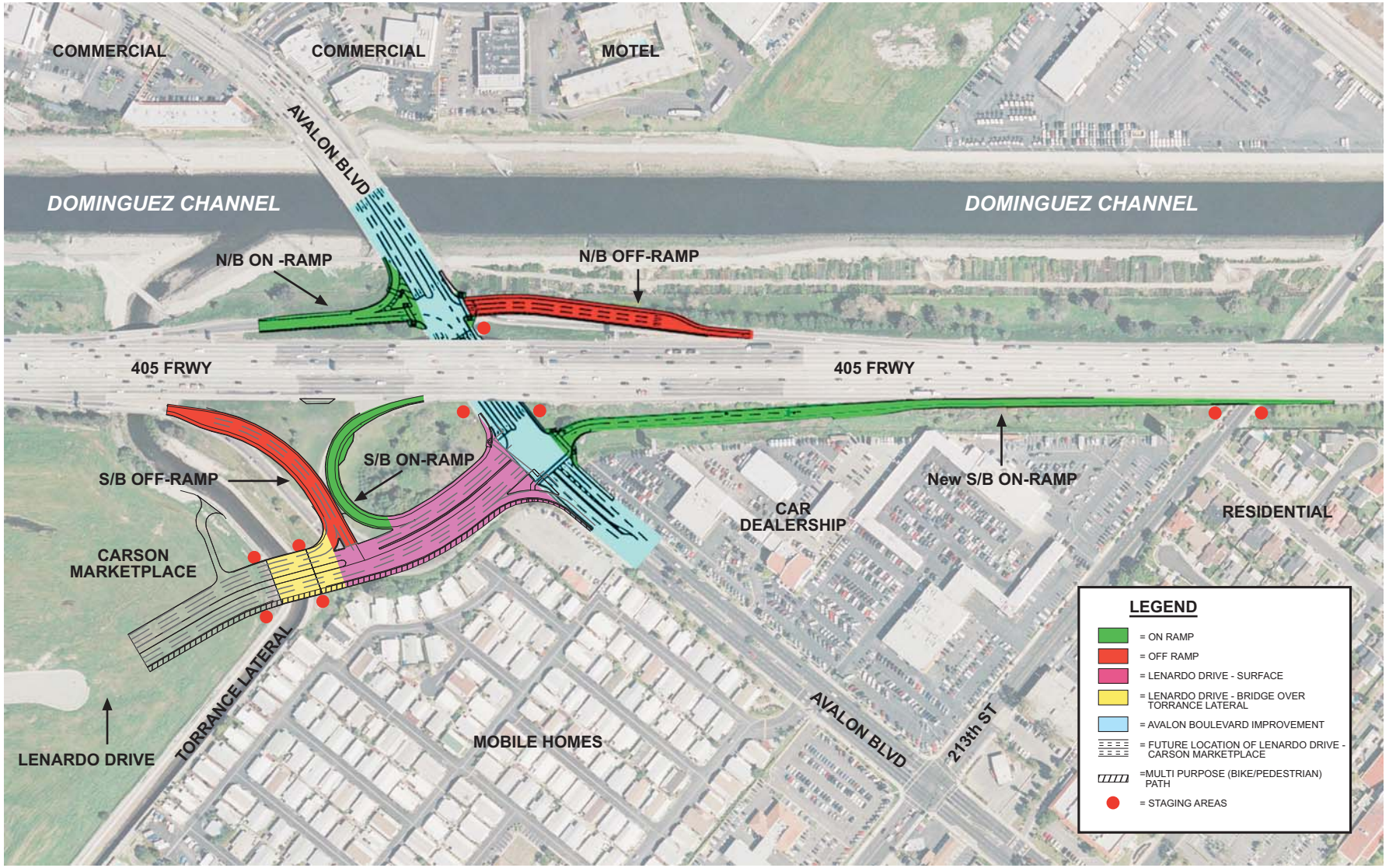
The proposed Build Alternative would improve the configuration of the existing interchange of Avalon Boulevard at I-405. As illustrated in Figure 3 on page 9, the intersection would be redesigned to link the site of the Carson Marketplace project to the intersection and Avalon Boulevard with an extension of Lenardo Drive to Avalon Boulevard. The existing southbound ramps lying between the Carson Marketplace site and Avalon Boulevard would be realigned and a new southbound ramp would be provided east of Avalon Boulevard. In addition the northbound on and off ramps would be improved to increase their capacity and turning movements. Minor modifications would be made along Avalon Boulevard to provide an appropriate interface with the new ramps.

More specifically, it includes improvements to each of the four quadrants and Avalon Boulevard as follows:

Southwest Quadrant. Lenardo Drive would be configured to link with the existing ramps, and extend from the Carson Marketplace site to Avalon Boulevard. The extension of Lenardo Drive would link the Carson Marketplace project with the intersection and the neighboring roadway network to the east, north and south. The extension of Lenardo Drive would require the construction of a new bridge over the Torrance Lateral flood control channel. The conceptual design of the bridge is shown in Figure 4 on page 10.

The existing I-405 southbound off-ramp to Avalon Boulevard would be realigned and reconstructed to connect to the extended Lenardo Drive, east of the Torrance Lateral storm channel at a distance of approximately 550 feet west of Avalon Boulevard.

The existing southbound loop on-ramp would be realigned next to the terminus of the reconstructed southbound off-ramp. This on-ramp would provide southbound freeway access for traffic from southbound Avalon Boulevard, via queuing on westbound Lenardo Drive; and access from eastbound Lenardo Drive (i.e., the Carson Marketplace site) for High Occupancy Vehicles (HOVs) only. (Non HOV traffic would continue east on Lenardo Drive for southbound freeway access.)

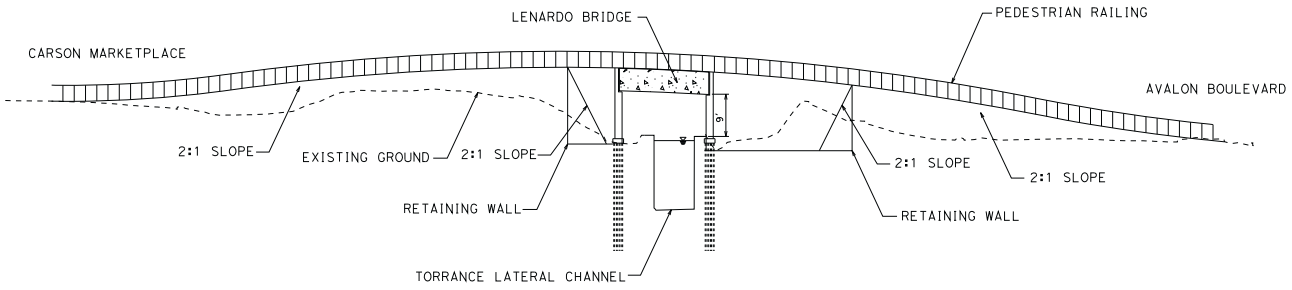


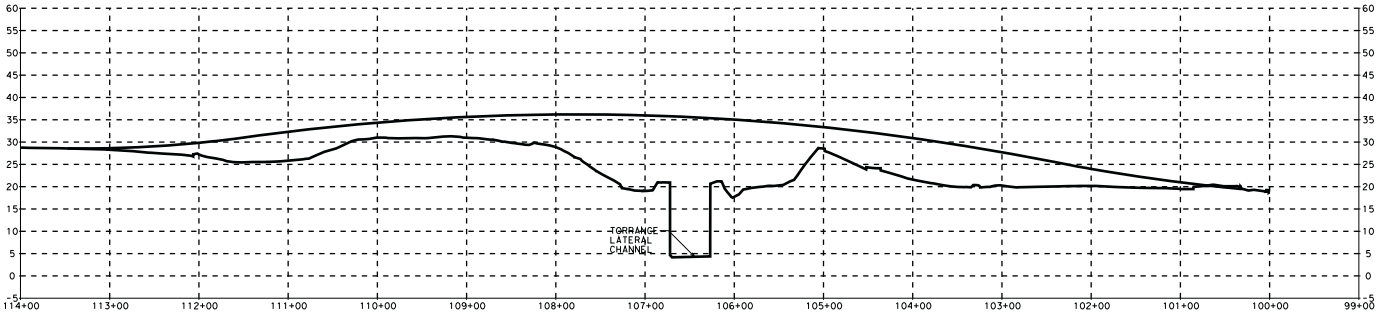
PCR

0 150 300 600 Feet

Scale in approximate feet.
Source: DMJM Harris, 2006.

Figure 3
Project Features





PCR

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No scale

Figure 4
Conceptual Design of the Lenardo Drive Bridge

Source: DMJM Harris, 2007.

Southeast Quadrant. A new I-405 southbound on-ramp would be constructed from the intersection at Avalon Boulevard to the freeway, connecting in the general area of the 213th Street Bridge, approximately 1,700 feet to the south. This new on-ramp would provide freeway access for traffic from northbound Avalon Boulevard and from eastbound Lenardo Drive (i.e. the Non-HOV traffic leaving the Carson Marketplace site). Construction of the ramp would require the re-grading of the existing slope along the south side of the I-405 Freeway and the addition of fill material to build a new bench sloping up from the Avalon Boulevard to the freeway. The merge to the southbound mainline of the freeway would require the widening of the existing 213th Street bridge by a maximum of approximately 8 feet.

Northeast Quadrant. The I-405 northbound off-ramp to Avalon Boulevard would be widened and realigned to allow for full movements, i.e. movements to both northbound and southbound Avalon Boulevard. Currently traffic is restricted to proceeding north on Avalon Boulevard. The widening would require cutting into the existing slope along the southern edge of the ramp and re-contouring it with a slight increase in the width of the bench along the northern edge of the ramp.

Northwest Quadrant. The I-405 northbound on-ramp would be realigned at Avalon Boulevard to allow for two left-turn lanes from northbound Avalon Boulevard. The southbound Avalon Boulevard right-turn lane to the ramp would be signalized to permit right turns on a green arrow only at the same phase with the southbound through lanes. The widening would require adding fill on the north side of the ramp to increase the width of the bench.

Avalon Boulevard. Implementation of the above improvements would require changes to Avalon Boulevard to accommodate additional turning movements associated with the new ramps. These changes include modifications to medians and lane stripping. In addition, the existing sidewalk on Avalon Boulevard would need to be moved to a location placed behind the existing structure columns that support the I-405 bridge over Avalon Boulevard. This relocation would require cutting into the side of the slope along Avalon Boulevard, and constructing a retaining wall to support the slope.

1.1.3.3 No-Build Alternative

If the project were not built, there would be no alterations to the existing intersection. Roadway capacity would remain unchanged. There would be no changes to the physical environment. Traffic levels would continue to increase with deterioration of service levels.

CHAPTER 2. ENVIRONMENTAL SETTING

2.1 REGIONAL METEOROLOGY AND CLIMATE

The proposed project site is located within the South Coast Air Basin, which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The Basin is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. It includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties. The distinctive climate of this area is determined primarily by its terrain and geographical location. Regional meteorology is largely dominated by a persistent, high-pressure area which commonly resides over the eastern Pacific Ocean. Seasonal variations in the strength and position of this pressure cell cause changes in the weather patterns of the area. Local climatic conditions are characterized by warm summers, mild winters, infrequent rainfall, moderate daytime on-shore breezes, and moderate humidity. This normally mild climatic condition is occasionally interrupted by periods of hot weather, winter storms, and Santa Ana (hot easterly flow) winds.

The Basin is an area of high air pollution potential, particularly from June through September. This condition is generally attributed to the large amount of pollutant emissions, light winds and shallow vertical atmospheric mixing. This condition also known as an inversion layer frequently reduces pollutant dispersion, thus causing increased air pollution levels. Pollutant concentrations in the Basin vary with location, season and time of day. Ozone (O_3) concentrations, for example, tend to be lower along the coast, higher in the near inland valleys and lower in the far inland areas of the Basin and adjacent desert.

2.2 REGULATORY SETTING

A number of statutes, regulations, plans, and policies have been adopted that address air quality issues. The proposed project site and vicinity are subject to air quality regulations developed and implemented at the federal, state, and local levels. At the federal level, the United States Environmental Protection Agency (USEPA) is responsible for implementation of the Federal Clean Air Act (CAA). Some portions of the CAA (e.g., certain mobile source and other requirements) are implemented directly by the USEPA.

2.2.1 Authority for Current Air Quality Planning

A number of plans and policies have been adopted by various agencies that address air quality concerns. Those plans and policies that are relevant to the proposed project are discussed below.

2.2.1.1 Federal Clean Air Act

The Clean Air Act (CAA) is the comprehensive Federal law that regulates air emissions from area, stationary, and mobile sources. This law authorizes the U.S. Environmental Protection Agency to establish National Ambient Air Quality Standards (NAAQS) to protect public health and the environment. The goal of the Act was to set and achieve NAAQS in every state by 1975. The setting of maximum pollutant standards was coupled with directing the states to develop state implementation plans (SIPs) applicable to appropriate industrial sources in the state. These plans must include pollution control measures that demonstrate how the standards will be met.

The Act was amended in 1977 primarily to set new goals (dates) for achieving attainment of NAAQS since many areas of the country had failed to meet the deadlines. The 1990 amendments to the Clean Air Act in large part were intended to meet unaddressed or insufficiently addressed problems and strengthen "conformity" requirements for Federal actions including transportation projects and funding. The 1990 Amendments to the CAA identify specific emission reduction goals for areas not meeting the NAAQS. These amendments require both a demonstration of reasonable further progress toward attainment and incorporation of additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA, which are most applicable to the proposed project, include Title I (Nonattainment Provisions) and Title II (Mobile Source Provisions).

Title I requirements are implemented for the purpose of attaining NAAQS for the following criteria pollutants: (1) ozone (O_3); (2) nitrogen oxides (NO_X); (3) sulfur dioxide (SO_2); (4) particulate matter (PM_{10}); (5) carbon monoxide (CO); and (6) lead (Pb). Table 1 on pages 14 and 15 shows the NAAQS currently in effect for each criteria pollutant. The NAAQS were amended in July 1997 to include an 8-hour standard for O_3 and to adopt a NAAQS for $PM_{2.5}$. The project area is within the South Coast Air Basin (Basin), which fails to meet national standards for O_3 (for both the 1-hour and 8-hour standards), PM_{10}, and $PM_{2.5}$ and, therefore, is considered a Federal “non-attainment” area for these pollutants. The CAA sets certain deadlines for meeting the NAAQS within the Basin including: (1) 1-hour O_3 by the year 2010; (2) 8-hour O_3 by the year 2021; (3) PM_{10} by

Table 1

Ambient Air Quality Standards [a]

Pollutant	Averaging Time	California Standard [b]	Federal Primary Standard [b]	Pollutant Health and Atmospheric Effects	Major Pollutant Sources
Ozone (O_3) [c]	1 hour	0.09 ppm	N/A	High concentrations can directly affect lungs, causing irritation. Long-term exposure may cause damage to lung tissue.	Motor vehicles.
	8 hours	0.07 ppm	0.08 ppm		
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Classified as a chemical asphyxiant, CO interferes with the transfer of fresh oxygen to the blood and deprives sensitive tissues of oxygen.	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm		
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	—	0.053 ppm	Irritating to eyes and respiratory tract. Colors atmosphere reddish-brown.	Motor vehicles, petroleum refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.0.18 ppm	—		
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	—	0.03 ppm	Irritates upper respiratory tract; injurious to lung tissue. Can yellow the leaves of plants, destructive to marble, iron, and steel. Limits visibility and reduces sunlight.	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	—		
	24 hours	0.04 ppm	0.14 ppm		
Particulate Matter (PM_{10})	24 Hours	50 $\mu g/m^3$	150 $\mu g/m^3$	May irritate eyes and respiratory tract. Absorbs sunlight, reducing amount of solar energy reaching the earth. Produces haze and limits visibility.	Dust and fume-producing industrial and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	Annual Arithmetic Mean	20 $\mu g/m^3$ Annual Geometric Mean	N/A		
Particulate Matter ($PM_{2.5}$)	24 Hours	—	35 $\mu g/m^3$	Increases respiratory disease, lung damage, cancer, premature death; reduced visibility; surface soiling.	Fuel combustion in motor vehicles, equipment, and industrial sources; residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_X, SO_X, organics).
	Annual Arithmetic Mean	12 $\mu g/m^3$	15 $\mu g/m^3$		

Table 1 (Continued)

Ambient Air Quality Standards

Pollutant	Averaging Time	California Standard [b]	Federal Primary Standard [b]	Pollutant Health and Atmospheric Effects	Major Pollutant Sources
Lead	Monthly	1.5 ug/m^3	—	Disturbs gastrointestinal system, and causes anemia, kidney disease, and neuromuscular and neurologic dysfunction (in severe cases).	Lead smelters, battery manufacturing & recycling facilities.
	Quarterly	—	1.5 ug/m^3		
Sulfates (SO_4)	24 hours	25 ug/m^3	—	Decrease in ventilatory functions; aggravation of asthmatic symptoms; aggravation of cardio-pulmonary disease; vegetation damage; degradation of visibility; property damage.	Coal or oil burning power plants and industries, refineries, diesel engines.

[a] *Ambient air quality standards are set at levels that provide a reasonable margin of safety and protect the health of the most sensitive individual in the population.*

[b] *ppm = parts per million and µg/m^3 = micrograms per cubic meter.*

[c] *Ozone is formed when NO_X and VOCs react in the presence of sunlight. There are no air quality standards for VOC. However, VOCs are recognized as pollutants of concern as they are a precursor to the formation of ozone.*

Source: California Air Resources Board, Ambient Air Quality Standards*, November 10, 2006 and the USEPA, 2006.*

the year 2006; and (4) $PM_{2.5}$ by the year 2015. Nonattainment designations are categorized into seven levels of severity: (1) basic, (2) marginal, (3) moderate, (4) serious, (5) severe-15, (6) severe-17,[1] and (7) extreme. Table 2 on page 16 lists the criteria pollutants and their relative attainment status.

Title II of the CAA pertains to mobile sources, such as cars, trucks, buses, and planes. Reformulated gasoline, automobile pollution control devices, and vapor recovery nozzles on gas pumps are a few of the mechanisms the USEPA uses to regulate mobile air emission sources. The provisions of Title II have resulted in tailpipe emission standards for vehicles, which have strengthened in recent years to improve air quality. For example, the standards for NO_X emissions have lowered substantially and the specification requirements for cleaner burning gasoline are more stringent.

[1] *The "-15" and "-17" designations reflect the number of years within which attainment must be achieved.*

Table 2

South Coast Air Basin Attainment Status

Pollutant	National Standards	California Standards
Ozone (O_3) (1-hour standard)	N/A [a]	Non-attainment
Ozone (O_3) (8-hour standard)	Severe-17	N/A
Carbon Monoxide (CO)	Attainment	Attainment [b]
Nitrogen Dioxide (NO_2)	Attainment [b]	Attainment [b]
Sulfur Dioxide (SO_2)	Attainment [b]	Attainment [b]
PM_{10} (24-hour standard)	Serious	Non-attainment
PM_{10} (annual standard)	N/A [c]	Non-attainment
$PM_{2.5}$	Serious	Non-attainment
Lead (Pb)	Attainment [b]	Attainment [b]
Sulfates (SO_4)	N/A	Attainment [b]

N/A = not applicable

[a] *The NAAQS for 1-hr ozone was revoked on June 15, 2005 for all areas except Early Action Compact (EAC) areas.*

[b] *An air basin is designated as being in attainment for a pollutant if the standard for that pollutant was not violated at any site in that air basin during a three year period.*

[c] *The NAAQS for annual PM_{10} was revoked on September, 21 2006.*

Source: USEPA Region 9 and California Air Resources Board, 2007.

2.2.1.2 Conformance with Air Quality Standards

"Transportation Conformity" is a process set up under the CAA to make sure that transportation planning, transportation improvement programs, and projects are consistent with plans to achieve and maintain NAAQS. Specific requirements are set by USEPA regulations in 40 CFR 93, US EPA and US DOT guidance documents, and local regulations and procedures set up by Metropolitan Planning Organizations and Air Pollution Control Districts. As discussed above, the Basin is considered nonattainment and, therefore, subject to Transportation Conformity requirements. The USEPA promulgated new $PM_{2.5}$ and PM_{10} hot-spots analysis requirements in its March 10, 2006, final transportation conformity rule 71 FR 12468 (2006 Final Rule). The new requirements as specified by the *Transportation Conformity Guidance for Hot-Spot Analyses in $PM_{2.5}$ and PM_{10} Nonattainment and Maintenance Areas* developed by the EPA in conjunction with the Federal Highway Administration (FHWA) in March 2006.

A hot-spot analysis is defined in the Code of Federal Regulations (CFR) (40 CFR 93.101) as an estimation of likely future localized $PM_{2.5}$ or PM_{10} pollutant concentrations and a comparison of those concentrations to the relevant air quality standards. A hot-spot analysis assesses the air quality impacts on a scale smaller than an entire nonattainment

or maintenance area, including, for example, congested roadway intersections and highways or transit terminals. Such an analysis is a means of demonstrating that a transportation project meets Clean Air Act conformity requirements to support State and local air quality goals with respect to potential localized air quality impacts. When a hotspot analysis is required, it is included within the project-level conformity determination that is made by the FHWA or the Federal Transit Administration (FTA).

2.2.1.3 California Clean Air Act

The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the State to achieve and maintain the California Ambient Air Quality Standards (CAAQS) by the earliest practical date. Table 1 shows the CAAQS currently in effect for each of the criteria pollutants as well as the other pollutants recognized by the State. As shown in Table 1, the CAAQS include more stringent standards than the NAAQS for most of the criteria air pollutants. In addition, the CAAQS have established standards for other pollutants recognized by the State. In general, the California standards are more health protective than the corresponding NAAQS. California has also set standards for $PM_{2.5}$, sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles.

The Basin complies with the California standards for sulfates, hydrogen sulfide, and vinyl chloride, but does not meet the California standard for visibility-reducing particles. Table 2 provides the Basin's attainment status with respect to federal and state standards.

2.2.1.4 South Coast Air Quality Management District

The SCAQMD has jurisdiction over an area of approximately 10,743 square miles. This area includes all of Los Angeles County except for the Antelope Valley, Orange County, the nondesert portion of western San Bernardino County, and the western and Coachella Valley portions of Riverside County. The Basin is a subregion of the SCAQMD's jurisdiction. While air quality in this area has improved, the Basin requires continued diligence to meet air quality standards.

The SCAQMD has adopted a series of Air Quality Management Plans (AQMP) to meet the CAAQS and NAAQS. These plans require, among other emission-reducing activities, control technology for existing sources; control programs for area sources and indirect sources; a SCAQMD permitting system designed to allow no net increase in emissions from any new or modified (i.e., previously permitted) emission sources; transportation control measures; sufficient control strategies to achieve a 5 percent or more annual reduction in emissions (or 15 percent or more in a 3-year period) for Volatile Organic Compounds (VOC), NO_X, CO, PM_{10}, and $PM_{2.5}$; and demonstration of compliance with the California Air Resources Board (CARB) established reporting periods for compliance with air quality goals.

The SCAQMD adopted a comprehensive AQMP update, the 2003 Air Quality Management Plan for the South Coast Air Basin, on August 1, 2003.[2] The 2003 AQMP outlines the air pollution control measures needed to meet Federal health-based standards for O_3 (1-hour standard) by 2010 and PM_{10} by 2006. It also demonstrates how the Federal standard for CO, achieved for the first time at the end of 2002, will be maintained. This revision to the AQMP also addresses several State and federal planning requirements and incorporates substantial new scientific data, primarily in the form of updated emissions inventories, ambient measurements, new meteorological data, and new air quality modeling tools. The 2003 AQMP is consistent with and builds upon the approaches taken in the 1997 AQMP and the 1999 Amendments to the Ozone SIP for the South Coast Air Basin. Lastly, the 2003 AQMP takes a preliminary look at what will be needed to achieve new and more stringent health standards for ozone and $PM_{2.5}$.

The SCAQMD adopts rules and regulations to implement portions of the AQMP. Several of these rules may apply to construction or operation of the project. For example, SCAQMD Rule 403 requires the implementation of best available fugitive dust control measures during active construction periods capable of generating fugitive dust emissions from on-site earth-moving activities, construction/demolition activities, and construction equipment travel on paved and unpaved roads. The full text of SCAQMD Rule 403 is included in Appendix A-2 of this Technical Report.

The SCAQMD has published a handbook (*CEQA Air Quality Handbook*, November 1993) that is intended to provide local governments with guidance for analyzing and mitigating project-specific air quality impacts. This handbook provides standards, methodologies, and procedures for conducting air quality analyses in EIRs and was used extensively in the preparation of this analysis.

The SCAQMD has published a guidance document (*Localized Significance Threshold Methodology for CEQA Evaluations*, June 2003) that is intended to provide guidance in evaluating localized effects from mass emissions of CO, VOC, NO_2, PM_{10}, and $PM_{2.5}$ during construction. This document was also used in the preparation of this analysis.

2.2.1.5 Regional Comprehensive Plan and Guide

The Southern California Association of Governments (SCAG) is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and addresses regional issues relating to transportation, the economy, community development, and the environment. SCAG is the federally designated metropolitan planning organization (MPO) for the majority of the southern California region and is the largest MPO in the nation. As the designated MPO, SCAG is mandated by the

[2] *South Coast Air Quality Management District, AQMD website, www.aqmd.gov/news1/aqmp_adopt.htm.*

federal government to develop and implement regional plans that address transportation, growth management, hazardous waste management, and air quality issues. With respect to air quality planning, SCAG has prepared the Regional Comprehensive Plan and Guide (RCPG) for the SCAG region, which includes Growth Management and Regional Mobility chapters that form the basis for the land use and transportation components of the AQMP and are utilized in the preparation of air quality forecasts and the consistency analysis that is included in the AQMP.

2.3 EXISTING CONDITIONS

2.3.1 Regional Context

The greatest air pollution impacts throughout the Basin occur from June through September. This condition is generally attributed to the large amount of pollutant emissions, light winds, and shallow vertical atmospheric mixing. This frequently reduces pollutant dispersion, thus causing elevated air pollution levels. Pollutant concentrations in the Basin vary with location, season, and time of day. Ozone concentrations, for example, tend to be lower along the coast, higher in the near inland valleys, and lower in the far inland areas of the Basin and adjacent desert. Over the past 30 years, substantial progress has been made in reducing air pollution levels in southern California.

The SCAQMD has published a Basin-wide air toxics study (MATES II, Multiple Air Toxics Exposure Study, March 2000). The MATES II study represents one of the most comprehensive air toxics studies ever conducted in an urban environment. The study was aimed at determining the cancer risk from toxic air emissions throughout the Basin by conducting a comprehensive monitoring program, an updated emissions inventory of toxic air contaminants, and a modeling effort to fully characterize health risks for those living in the Basin. The study concluded that the average carcinogenic risk in the Basin is approximately 1,400 in one million. Mobile sources (e.g., cars, trucks, trains, ships, aircraft, etc.) represent the greatest contributors. Approximately 70 percent of all risk is attributed to diesel particulate emissions, approximately 20 percent to other toxics associated with mobile sources (including benzene, butadiene, and formaldehyde), and approximately 10 percent of all carcinogenic risk is attributed to stationary sources (which include industries and other certain businesses, such as dry cleaners and chrome plating operations). The SCAQMD is in the process of updating the MATES II Study with a MATES III Study.

The ARB prepares a series of maps that show regional trends in estimated outdoor inhalable cancer risk from air toxic emissions in an ongoing effort to provide insight as to the relative risk. The estimates represent the number of potential cancers per million people based on a lifetime of breathing air toxics (i.e., 24 hours per day outdoors for 70 years). The Year 2001 Southern Los Angeles County map, which is the most recently

available map to represent existing conditions, is provided in Figure 5 on page 21. As shown in Figure 5, the cancer risk ranges from 100 to 1,500 cancers per million, while the vast majority of the area is between 250 and 1,000 cancers per million.[3] Generally, the risk from air toxics is lower near the coastline and increases inland, with higher risks concentrated near large diesel sources (e.g., freeways, airports, and ports).

The data from the SCAQMD and ARB provide a slightly different range of risk. This difference is primarily related to the fact that the SCAQMD risk is based on monitored pollutant concentrations and the ARB risk is based on dispersion modeling and emission inventories. Regardless, the SCAQMD and ARB data shows that there is an inherent health risk associated with living in urbanized areas of the Basin, where mobile sources (e.g., cars, trucks, trains, ships, aircraft, etc.) represent the greatest contributors to the overall risk.

2.3.2 Local Area Conditions

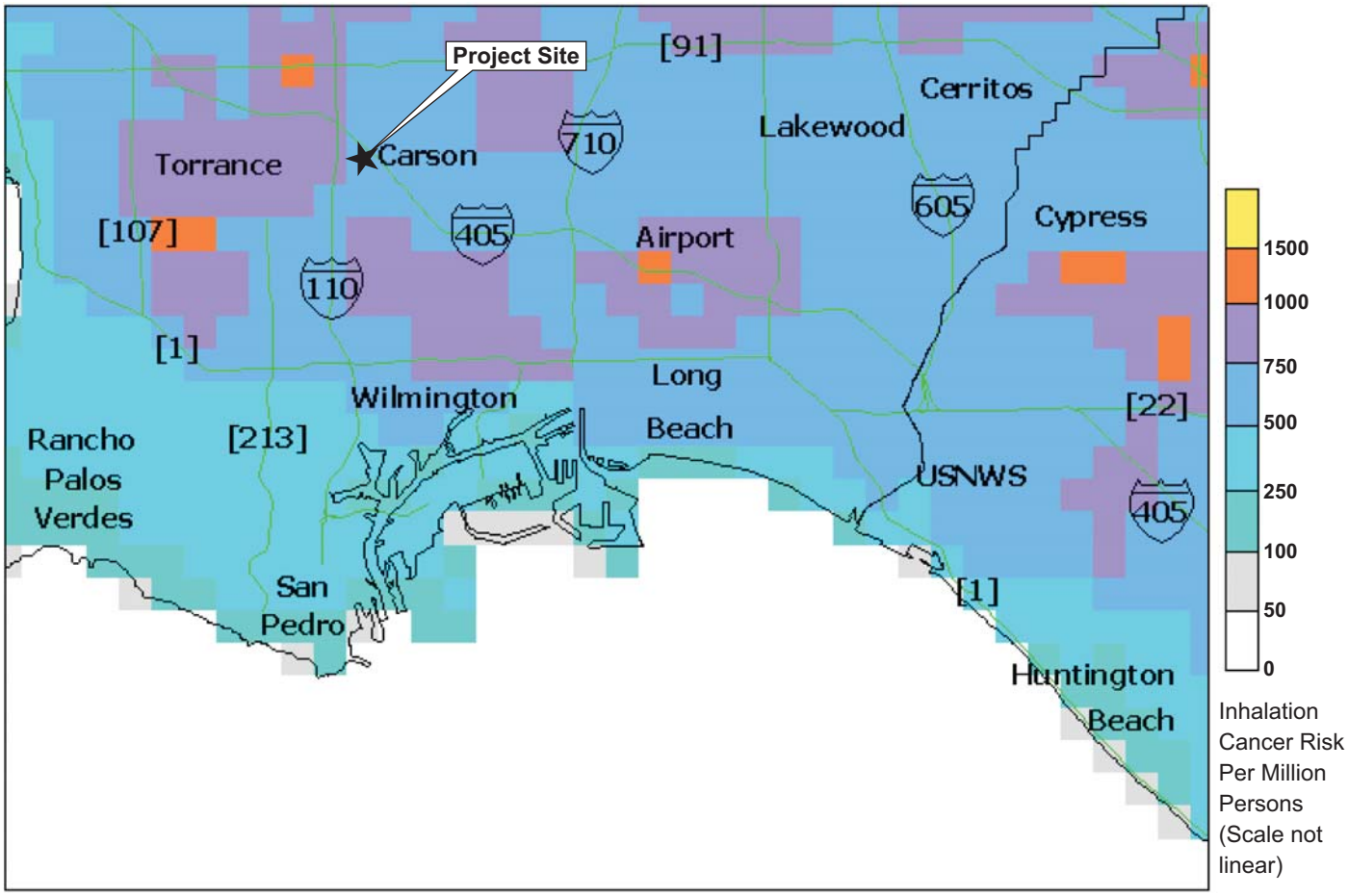
2.3.2.1 Existing Pollutant Levels at Nearby Monitoring Stations

The SCAQMD maintains a network of air quality monitoring stations located throughout the South Coast Air Basin and has divided the Basin into air monitoring areas. The monitoring station closest to the project site is the North Long Beach Monitoring Station, located at 3648 Long Beach Boulevard, approximately 6 miles southeast of the project site. All criteria pollutants are monitored at this station (O_3, CO, NO_X, SO_2, PM_{10} and $PM_{2.5}$). The most recent data available from this monitoring station encompasses the years 2001 to 2005. The data, shown in Table 3 on pages 22 and 23, show the following pollutant trends:

Ozone. During the 2001 to 2005 reporting period, the maximum one-hour ozone concentration was recorded in 2003 at 0.10 ppm. An exceedance of the California one-hour ozone standard (0.09 ppm) was recorded one day in 2003. The National standard of 0.12 ppm was not exceeded during the monitored years. The maximum eight-hour ozone concentration recorded during the reporting period was 0.07 ppm, which was reported in 2001, 2003, 2004, and 2005. During the 2001 to 2005 reporting period, the National standard of 0.08 ppm was not exceeded.

[3] http://www.arb.ca.gov/toxics/cti/hlthrisk/cncrinhl/riskmapviewfull.htm.

Total Risk (diesel + nondiesel)
Southern LA County: 2001 Cancer Risk Per Million
All Sources



PCR

Figure 5
Total Cancer Risk for Southern Los Angeles County

Source: See ARB web site: http//www.arb.ca.gov/toxics/cti/hlthrisk/hlthrisk.html

Table 3

Pollutant Standards and Ambient Air Quality Data[a]

Pollutant/Standard	2001	2002	2003	2004	2005
Ozone (O_3)					
O_3 (1-hour)					
Maximum Concentration (ppm)	0.09	0.08	0.10	0.09	0.09
Days > CAAQS (0.09 ppm)	0	0	1	0	0
Days > NAAQS (0.12 ppm)	0	0	0	0	0
O_3 (8-hour)					
Maximum Concentration (ppm)	0.07	0.06	0.07	0.07	0.07
Days > NAAQS (0.08 ppm)	0	0	0	0	0
Particulate Matter (PM_{10})					
PM_{10} (24-hour)					
Maximum Concentration ($\mu g/m^3$)	91	74	63	72	66
Days > CAAQS (50 $\mu g/m^3$) [b]	10	5	4	2	0
Days > NAAQS (150 $\mu g/m^3$) [b]	0	0	0	0	0
PM_{10} (Annual Average)					
Annual Arithmetic Mean (50 $\mu g/m^3$)	37	33	30	33	N/A
Annual Geometric Mean (20 $\mu g/m^3$)	37	33	30	N/A	N/A
Particulate Matter ($PM_{2.5}$)					
$PM_{2.5}$ (24-hour)					
Maximum Concentration ($\mu g/m^3$)	73	63	115	67	54
Days > NAAQS (65 $\mu g/m^3$) [c]	1	0	3	1	0
$PM_{2.5}$ (Annual Average)					
Annual Geometric Mean (12 $\mu g/m^3$)	21	20	18	18	N/A
Carbon Monoxide (CO)					
CO (1-hour)					
Maximum Concentration (ppm)	6	6	6	4	5
Days > CAAQS (20 ppm)	0	0	0	0	0
Days > NAAQS (35 ppm)	0	0	0	0	0
CO (8-hour)					
Maximum Concentration (ppm)	5	5	5	3	4
Days > CAAQS (9 ppm)	0	0	0	0	0
Days > NAAQS (9 ppm)	0	0	0	0	0

Table 3 (Continued)

Pollutant Standards and Ambient Air Quality Data[a]

Pollutant/Standard	2001	2002	2003	2004	2005
Nitrogen Dioxide (NO_2)					
NO_2 (1-hour—State Standard)					
Maximum Concentration (ppm)	0.12	0.12	0.14	0.12	0.12
Days > CAAQS (0.25 ppm) [d]	0	0	0	0	0
NO_2 (Annual Average—National Standard))					
Annual Arithmetic Mean (0.05 ppm)	0.03	0.03	0.03	0.03	0.02
Days > NAAQS (0.05 ppm)	0	0	0	0	0
Sulfur Dioxide (SO_2)					
SO_2 (1-hour)					
Maximum Concentration (ppm)	0.05	0.03	0.03	0.04	0.04
Days > CAAQS (0.25 ppm)	0	0	0	0	0
SO_2 (24-hour)					
Maximum Concentration (ppm)	0.01	0.01	0.01	0.01	0.01
Days > CAAQS (0.04 ppm)	0	0	0	0	0
Days > NAAQS (0.14 ppm)	0	0	0	0	0
SO_2 (Annual Average)					
Annual Arithmetic Mean	0.002	0.002	0.002	0.005	N/A
Days > NAAQS (0.03 ppm)	0	0	0	0	0

[a] *ppm = parts per million; $\mu g/m^3$= micrograms per cubic meter; N/A = not available*

Ambient data for all pollutants were obtained from the North Long Beach monitoring station closest to the project site (approximately 6 mile southeast of the project site.

Ambient data for airborne lead is not included in this table since the Basin is currently in compliance with state and national standards for lead.

[b] *Measurements are usually collected every six days. Measured days counts the days that a measurement was greater than the level of the standard*

[c] *As of September 21, 2006, the USEPA has revised the national $PM_{2.5}$ standard from 65 $\mu g/m^3$ to 35 $\mu g/m^3$. Data representing days above the NAAQS were compiled for the prior standard*

[d] *The California 1-hour NO_2 standard was changed effective February 2, 2007 from 0.25 ppm to 0.18 ppm.*

Source: California Air Resources Board, Ambient Monitoring Data 2001–2005.

Particulate Matter (PM_{10}). The highest recorded concentration during the reporting period occurred in 2001 and was 91 micrograms per cubic meter ($\mu g/m^3$) of air particulates. During the reporting period, the California PM_{10} standard was exceeded between 2 and 10 times annually, with the highest number of exceedances in 2001. No exceedances of the National standard occurred between the years 2001 to 2005. The highest annual arithmetic mean recorded was 37 $\mu g/m^3$ in 2001. The highest annual geometric mean recorded was 37 $\mu g/m^3$ also in 2001.

Particulate Matter ($PM_{2.5}$). The highest recorded concentration during the reporting period was 115 $\mu g/m^3$ in 2003. The National standard was exceeded between zero and 3 times annually, with the highest number of exceedances in 2003. The highest annual arithmetic mean recorded was 21 $\mu g/m^3$ in 2001. During the 2001 to 2005 reporting period, the California annual average standard of 12 $\mu g/m^3$ was exceeded in 2001, 2003, and 2004. As of September 21, 2006 the USEPA has revised the national 24-hour $PM_{2.5}$ standard from 65 $\mu g/m^3$ to 35 $\mu g/m^3$. Data representing days above the NAAQS on Table 3 were compiled for the prior standard.

Carbon Monoxide. The highest 1-hour CO concentration was 6 ppm and the highest 8-hour CO concentration was 5 ppm, both reported in 2001, 2002, and 2003. Neither the California nor the National CO standards were exceeded during the 2001 to 2005 reporting period.

Nitrogen Dioxide. The highest 1-hour concentration of NO_2 was recorded in 2003, at 0.14 ppm. The highest annual arithmetic mean during the 2001 to 2005 reporting period was 0.03 ppm, which occurred in every year aside from 2005. Neither the California nor the National NO_2 standards were exceeded during the 2001 to 2005 reporting period shown.

Sulfur Dioxide. The highest 1-hour concentration was 0.05 ppm, recorded in 2001. The 24-hour concentrations recorded were 0.01 ppm for each of the years during the reporting period and the annual arithmetic mean was 0.002 from 2001 to 2003 and was recorded as 0.005 ppm in 2004. No exceedances of the California or the National SO_2 standards were recorded during this reporting period.

Lead. The Basin is currently in compliance with California and National standards for Pb and, therefore, no ambient data for airborne Pb is available for the applicable monitoring stations.

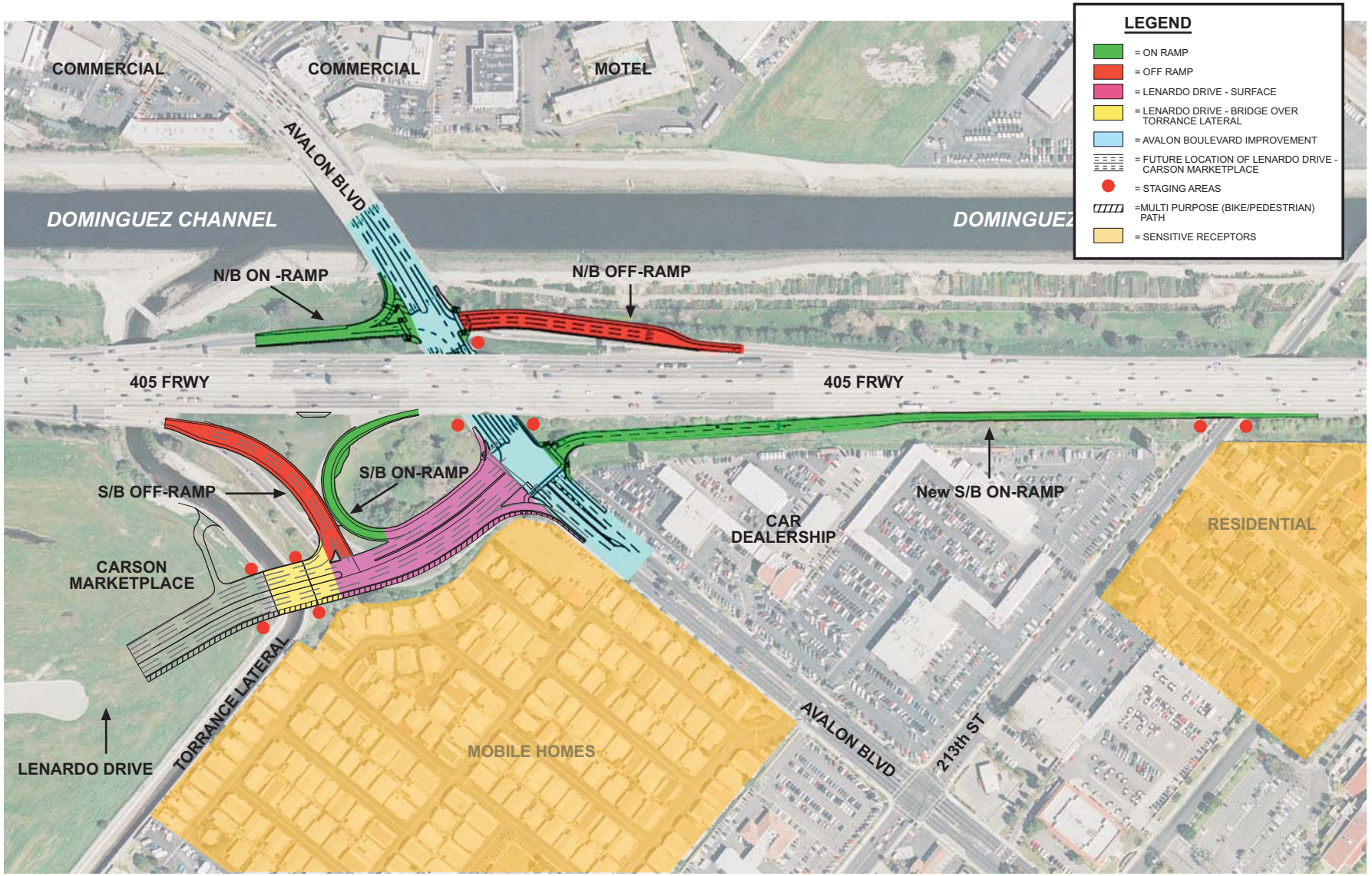
2.3.2.2 Existing Health Risk in the Surrounding Area

As shown above in Figure 5 on page 21, the project site is located within a cancer risk zone of 500 to 750 in one million. However, the visual resolution available in the map is 1 kilometer by 1 kilometer and, thus, impacts from individual facilities for individual

neighborhoods are not discernable on this map. In general, the project site is indicative of other areas in Carson.

2.3.2.3 Sensitive Receptors and Locations

Some population groups, such as children, the elderly, and acutely and chronically ill persons, especially those with cardio-respiratory diseases, are considered more sensitive to air pollution than others. Sensitive land uses in the project vicinity are shown in Figure 6 on page 26 and include one- and two-story detached residences and mobile homes that are located near the project site. The closest residences are located adjacent to the project site western boundary.



PCR

0 150 300 600 Feet

Scale in approximate feet.
Source: DMJM Harris, 2007.

Figure 6
Sensitive Receptors

CHAPTER 3. ENVIRONMENTAL IMPACTS

3.1. THRESHOLDS

3.1.1 Construction Emissions

SCAQMD recommends reference levels for evaluating construction impacts and identifying the need for mitigation measures. These reference levels are as follows:

- Regional emissions from both direct and indirect sources would exceed any of the following SCAQMD prescribed threshold levels: (1) 75 pounds per day (lbs/day) for VOC; (2) 100 lbs/day for NO_X; (3) 550 lbs/day for CO; (4) 150 lbs/ day for PM_{10} or SO_X; and (5) and 55 lbs/day for $PM_{2.5}$.[4]

- Project-related fugitive dust and construction equipment combustion emissions cause an incremental increase in localized PM_{10} or $PM_{2.5}$ concentrations of 10.4 µg/m^3 or cause a violation of NO_2 or CO ambient air quality standards.[5]

- The proposed project creates objectionable odors affecting a substantial number of people.

3.1.2 Operational Emissions

The proposed project would have a significant impact with regard to operational emissions if any of the following occur:

- Regional emissions from both direct and indirect sources would exceed any of the following SCAQMD prescribed threshold levels: (1) 55 pounds per day (lbs/day) for VOC; (2) 55 lbs/day for NO_X; (3) 550 lbs/day for CO; (4) 150 lbs/ day for PM_{10} or SO_X; and (5) and 55 lbs/day for $PM_{2.5}$.[6]

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[4] *South Coast Air Quality Management District, CEQA Air Quality Handbook, Chapter 6 (Determining the Air Quality Significance of a Project), 1993.*

[5] *While the SCAQMD CEQA Air Quality Handbook (CEQA Handbook, 1993), does not provide any localized thresholds, the SCAQMD currently recommends localized significance thresholds (LST) for PM_{10},$PM_{2.5}$, NO_2, and CO in its draft document titled "SCAQMD Localized Significance Threshold Methodology for CEQA Evaluations (SCAQMD LST Guidelines)," June 19, 2003. The SCAQMD has stated that LST methodology is appropriate for use on linear projects, such as transportation projects.*

[6] *South Coast Air Quality Management District, CEQA Air Quality Handbook, Chapter 6 (Determining the Air Quality Significance of a Project), 1993.*

- The proposed project results in an exceedance of the California 1-hour or 8-hour CO standards of 20 or 9.0 ppm, respectively, at an intersection or roadway within one-quarter mile of a sensitive receptor.

- The proposed project creates objectionable odors affecting a substantial number of people.

- The proposed project exposes sensitive receptors to substantial pollutant concentrations, including toxic pollutants

- The proposed project is incompatible with SCAQMD and SCAG air quality policies. The proposed project would not be compatible with these polices if it:

  - causes an increase in the frequency or severity of existing air quality violations;

  - causes or contributes to new air quality violations;

  - delays timely attainment of air quality standards or the interim emission reductions specified in the AQMP; or

  - exceeds the assumptions utilized in the SCAQMD's AQMP.

- The proposed project is incompatible with City of Carson air quality policies. The proposed project would not be compatible with these policies if it does not substantially comply with the air quality goals and policies set forth within the City's General Plan.

3.2 METHODOLOGY

The evaluation of potential impacts to local and regional air quality that may result from the construction and long-term operations of the proposed project is based on the following methodological approach:

3.2.1 Construction Impacts

3.2.1.1 Regional Construction Emissions

Construction activities have the potential to create air quality impacts through earth moving operations and the use of heavy-duty construction equipment. Fugitive dust emissions result from demolition, ground excavation, cut and fill operations, and equipment traffic over temporary roads at construction sites. Mobile source emissions, primarily NO_X, result from the use of construction equipment such as bulldozers, trucks,

and scrapers. These emissions are highest when using heavy-duty, diesel-fueled equipment. Mobile source emissions also result from vehicle trips by construction workers to and from the project site. During the finishing phase, paving operations and the application of architectural coatings (i.e., striping paints) and other building materials release volatile organic compounds. Emissions can vary substantially from day to day, depending on the level of activity, the specific type of construction activity occurring and, for dust, the prevailing weather conditions. The assessment of construction air quality impacts considers each of these potential sources. Project-related factors used to evaluate construction air quality impacts include the following:

- Combustion Emissions from Construction Equipment: Type, number of pieces and usage for each type of construction equipment; estimated fuel usage and type of fuel (diesel, gasoline) for each type of equipment; and emission factors for each type of equipment.

- Fugitive Dust from Grading, Excavation, and Hauling: Amount of soil to be disturbed on-site or moved off-site; emission factors for disturbed soil; duration of grading, excavation, and hauling activities; type and number of pieces of equipment to be used; and projected haul routes.

- Other Mobile Source Emissions: Number and average length of construction worker trips to the project site, per day; and the duration of construction activities.

Daily regional emissions during construction were forecasted by assuming an aggressive construction schedule (i.e., assuming all construction occurs at the earliest feasible date) and applying the mobile-source and fugitive dust emissions factors derived from URBEMIS2002.[7] Emissions for $PM_{2.5}$ are not calculated directly by URBEMIS2002. Activity specific factors need to be applied to the calculated PM_{10} emissions.[8] An emission factor of 21 percent, 89 percent and 99 percent was applied to earth moving equipment, off-road equipment, and on-road equipment, respectively. Details are presented in Appendix A

3.2.1.2 Localized Construction Emissions

The SCAQMD has developed a set of mass emissions rate look-up tables that can be used to evaluate localized impacts that may result from construction-period emissions. The SCAQMD has stated that LST methodology is appropriate for use on linear projects,

[7] *URBEMIS 2002 is an emissions estimation/evaluation model developed by the ARB that is based, in part, on SCAQMD CEQA Air Quality Handbook guidelines and methodologies.*

[8] *$PM_{2.5}$ Calculation Methodology was adopted by SCAQMD in October 2006.*

such as transportation projects. If the on-site emissions from proposed construction activities are below the threshold emission levels found in the threshold mass rate look-up tables for the project site's Source Receptor Area (SRA), then project emissions would not have potential to exceed recommended SCAQMD thresholds. The look-up tables were used to provide an initial screening and determine if further dispersion modeling is warranted. The thresholds are based on several factors including the size of the project construction site, distance from construction site to sensitive receptor locations, and local meteorological conditions. The thresholds for SRA Number 4 (South Los Angeles County Coastal), which represents conditions for the general project vicinity, are shown in the analysis below.

Emissions for the localized construction air quality analysis were compiled using the regional construction emissions less off-site emissions (e.g., construction worker, delivery, and haul truck trips). Localized emissions were then compared to the localized screening tables promulgated by the SCAQMD.[9] Thresholds for CO and NO_2 were derived by adding the incremental emissions from the project to the peak background NO_2 and CO concentrations and comparing the total concentration to the most stringent air quality standards. Construction PM_{10} thresholds were derived using a dispersion model to back-calculate the level of emissions necessary to exceed SCAQMD's Rule 403 concentration level (50 $\mu g/m^3$ over five hours) for requiring implementation of best management practices for control of fugitive dust.[10]

Where construction emissions exceeded the screening-level look-up table values, the localized effects from the on-site construction emissions were evaluated to determine potential pollutant concentrations at sensitive receptors. The analysis was conducted using the Industrial Source Complex (ISCST3) dispersion model, a methodology that is consistent with the procedures outlined in the USEPA *1998 Guideline on Air Quality Models* and the SCAQMD *Localized Significance Threshold Methodology for CEQA Evaluations* guidance documents. A complete listing of the construction equipment by phase, construction phase duration, emissions estimation model and dispersion model input assumptions used in this analysis are included in the emissions calculation worksheets provided in Appendix A-1 of this Technical Report.

3.2.2 Operational Impacts

Project operations refer to activities that would occur at a project site when construction is complete and the site has been occupied with its intended use. Since there

[9] *SCAQMD developed thresholds based upon the size or total area of the emissions source, the ambient air quality in each source receptor area, and the distance to the sensitive receptor.*

[10] *The equivalent concentration for developing PM_{10} or $PM_{2.5}$ LSTs is 10.4 $\mu g/m^3$, which is a 24-hour average.*

are no stationary sources associated with the construction of freeway ramps and the project would not generate additional traffic volumes, the impact analysis focuses on impacts associated with the changes in configuration of the existing interchange of Avalon Boulevard at I-405 in the City of Carson.

3.2.2.1 Localized Criteria Pollutant Impacts

The primary localized pollutant of concern from operations is carbon monoxide from motor vehicles. The analysis of roadway CO impacts followed the protocol recommended by Caltrans and published in the document titled *Transportation Project-Level Carbon Monoxide Protocol*, December 1997. The protocol provides guidance on whether projects would require a regional CEQA analysis, conformity determination, and a localized CO analysis. A flowchart provided as Figure 1 of the CO protocol outlines steps required to determine whether a project would require a localized analysis. A detailed discussion of the decision made to determine whether a localized CO analysis is necessary is provided in Appendix A-3 of this technical report. It should be noted that Appendix A of the 1997 protocol document has been rescinded due to the outdated EMFAC 7F emission factors, and should not be used.

3.2.2.2 Conformity

Proposed projects must demonstrate conformity with applicable State Implementation Plans (SIPs). There are specific methodologies for demonstrating compliance, depending on the pollutants and sources involved. The methodologies for $PM_{2.5}$, PM_{10} and CO are presented below.

To meet statutory requirements, the 2006 Final Rule requires $PM_{2.5}$ and PM_{10} hot-spot analyses to be performed for Projects of Air Quality Concern (POAQC). The first step in the hot-spot analysis is to determine whether a project meets the standard for a POAQC. The 2006 Final Rule states that projects not identified in 40 CFR 93.123(b)(1) as projects of air quality concern have met statutory requirements without any further hot-spot analyses (40 CFR 93.116[a]). If the project is determined to be a POAQC, a full hot spot analysis is required.

A project must be analyzed to determine if it is a project of concern using the guidelines stipulated in the 2006 Final rule, which are as follows:

1. New or expanded highway projects that have a significant number of or significant increase in diesel vehicles.

2. Projects affecting intersections that are at Level of Service D, E, or F with a significant number of diesel vehicles, or those that will change to Level of Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project.

3. New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location.

4. Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location.

5. Projects in or affecting locations, areas, or categories of sites which are identified in the $PM_{2.5}$ and PM_{10} applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

If the project is determined to be a POAQC, an estimation of likely future localized $PM_{2.5}$ or PM_{10} pollutant concentrations must be prepared by analyzing the historical, current and future conditions at the project site. In accordance with the Guidance document, only directly emitted PM_{10} and $PM_{2.5}$ emissions from operational activities are to be included in the studies. In order to ensure compliance with the Guidance document, the project must be analyzed along with any other applicable regulations to determine which emissions to include in the analyses.

To estimate the air quality impacts of a proposed project, the analysis compiles air quality and traffic data to model future conditions. Current and historical air quality data from monitoring stations within the proposed project area are compiled and analyzed. The monitoring data is compared with NAAQS and examined for trends in order to predict future conditions in the project vicinity.

An affirmative regional conformity determination must be made before a transportation project may proceed. The Caltrans CO Protocol (*Transportation Project-Level Carbon Monoxide Protocol*, December 1997) provides guidance on determining whether CO conformity is satisfied for transportation projects. Conformity determination guidance is provided as Figure 1 of the CO Protocol and is presented as a flowchart which requires decisions to be made in determining conformity. Although several steps are required to determine conformity, the major requirements are provided below:

- Determine if the project is exempt from all emissions analyses
- Determine if the project is exempt from regional emissions analyses
- Determine if the project is defined as regionally significant

A more detailed analysis of all decisions made to determine conformity are provided within Appendix A-3 of this technical report.

3.2.2.3 Toxic Air Contaminants (TAC) Impacts (Construction and Operations)

Mobile source air toxic contaminants (TACs) impacts were evaluated consistent with FHWA's Interim Guidance on Air Toxics Analysis in NEPA (February 3, 2006). The FHWA has developed a tiered approach for analyzing MSATs in NEPA documents. Depending on the specific project circumstances, FHWA has identified three levels of analysis. The level of analysis may involve quantitative analysis of emissions to compare or differentiate among proposed project alternatives, qualitative analysis to explore the general nature of the project and inform interested parties, or no analysis depending on the circumstances as set out in the interim guidance.

This technical report in support of an EA includes a basic analysis of the likely MSAT emission impacts of this project. The methodology and approach to the analysis is consistent with FHWA's Interim Guidance on Air Toxics Analysis in NEPA (February 3, 2006). Based on FHWA's guidance, available technical tools do not enable us to predict the project-specific health impacts of the emission changes associated with the proposed project. Due to these limitations, the following discussion is included in accordance with CEQ regulations (40 CFR 1502.22(b)) regarding incomplete or unavailable information:

Information that is Unavailable or Incomplete.

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

Emissions: The EPA tools to estimate MSAT emissions from motor vehicles are not sensitive to key variables determining emissions of MSATs in the context of highway projects. EMFAC2002 is a trip-based model in which emission factors are projected based on a typical trip distance, and on average speeds for this typical trip. This means that EMFAC2002 does not have the ability to predict emission factors for a specific vehicle operating condition at a specific location at a specific time. Because of this limitation, EMFAC2002 can only approximate the operating conditions (e.g., deceleration,

acceleration, and levels of congestion) likely to be present on the largest-scale projects, and cannot adequately capture emissions effects of smaller projects.

These deficiencies compromise the capability of EMFAC2002 to estimate MSAT emissions. EMFAC2002 is an adequate tool for projecting emissions trends, and performing relative analyses between alternatives for very large projects, but it is not sensitive enough to capture the effects of travel changes tied to smaller projects or to predict emissions near specific roadside locations.

Dispersion. The tools to predict how MSATs disperse are also limited. The EPA's current regulatory models, CALINE3 and CAL3QHC, were developed and validated more than a decade ago for the purpose of predicting episodic concentrations of carbon monoxide to determine compliance with the NAAQS. The performance of dispersion models is more accurate for predicting maximum concentrations that can occur at some time at some location within a geographic area. This limitation makes it difficult to predict accurate exposure patterns at specific times at specific highway project locations across an urban area to assess potential health risk. The NCHRP is conducting research on best practices in applying models and other technical methods in the analysis of MSATs. This work also will focus on identifying appropriate methods of documenting and communicating MSAT impacts in the NEPA process and to the general public. Along with these general limitations of dispersion models, FHWA is also faced with a lack of monitoring data in most areas for use in establishing project-specific MSAT background concentrations.

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

Existing Credible Scientific Evidence Relevant to Evaluating the Impacts of MSATs

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

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

The EPA is in the process of assessing the risks of various kinds of exposures to these pollutants. The EPA Integrated Risk Information System (IRIS) is a database of human health effects that may result from exposure to various substances found in the environment. The IRIS database is located at http://www.epa.gov/iris. The following toxicity information for the six prioritized MSATs was taken from the IRIS database *Weight of Evidence Characterization* summaries. This information is taken verbatim from EPA's IRIS database and represents the Agency's most current evaluations of the potential hazards and toxicology of these chemicals or mixtures.

- **Benzene** is characterized as a known human carcinogen.
- The potential carcinogenicity of **acrolein** cannot be determined because the existing data are inadequate for an assessment of human carcinogenic potential for either the oral or inhalation route of exposure.
- **Formaldehyde** is a probable human carcinogen, based on limited evidence in humans, and sufficient evidence in animals.
- 1,3-butadiene is characterized as carcinogenic to humans by inhalation.
- **Acetaldehyde** is a probable human carcinogen based on increased incidence of nasal tumors in male and female rats and laryngeal tumors in male and female hamsters after inhalation exposure.

- **Diesel exhaust (DE)** is likely to be carcinogenic to humans by inhalation from environmental exposures. Diesel exhaust as reviewed in this document is the combination of diesel particulate matter and diesel exhaust organic gases.

- **Diesel exhaust** also represents chronic respiratory effects, possibly the primary noncancer hazard from MSATs. Prolonged exposures may impair pulmonary function and could produce symptoms, such as cough, phlegm, and chronic bronchitis. Exposure relationships have not been developed from these studies.

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

Some recent studies have reported that proximity to roadways is related to adverse health outcomes -- particularly respiratory problems.[11] Much of this research is not specific to MSATs, instead surveying the full spectrum of both criteria and other pollutants. The FHWA cannot evaluate the validity of these studies, but more importantly, they do not provide information that would be useful to alleviate the uncertainties listed above and enable us to perform a more comprehensive evaluation of the health impacts specific to this project.

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

In this document, FHWA has provided a qualitative analysis of MSAT emissions relative to the various alternatives, and has acknowledged that the project alternatives may result in increased exposure to MSAT emissions in certain locations, although the concentrations and duration of exposures are uncertain, and because of this uncertainty, the health effects from these emissions cannot be estimated.

[11] *http://www.fhwa.dot.gov/environment/airtoxic/020306guidapc.htm*

As discussed above, technical shortcomings of emissions and dispersion models and uncertain science with respect to health effects prevent meaningful or reliable estimates of MSAT emissions and effects of this project. However, even though reliable methods do not exist to accurately estimate the health impacts of MSATs at the project level, it is possible to qualitatively assess the levels of future MSAT emissions under the project. Although a qualitative analysis cannot identify and measure health impacts from MSATs, it can give a basis for identifying and comparing the potential differences among MSAT emissions, if any, from the various alternatives. The qualitative assessment presented below for each alternative is derived in part from a study conducted by the FHWA entitled *A Methodology for Evaluating Mobile Source Air Toxic Emissions Among Transportation Project Alternatives*, found at: www.fhwa.dot.gov/environment/airtoxic/msatcompare/msatemissions.htm.

3.2.2.4 Odor Impacts (Construction and Operations)

Potential odor impacts are evaluated by conducting a screening-level analysis followed by a more detailed analysis (i.e., dispersion modeling) as necessary. The screening-level analysis consists of reviewing the proposed project's site plan and project description to identify any new or modified odor sources. If it is determined that the proposed project would introduce a new odor source, or modify an existing odor source, then downwind sensitive receptor locations are identified and site-specific dispersion modeling is conducted to determine proposed project impacts.

3.3 PROJECT IMPACTS

3.3.1 Construction

3.3.1.1 No-Build Alternative

If the project were not built, there would be no alterations to the existing intersection. There would be no changes to the physical environment. Thus, no construction impacts would occur.

3.3.1.2 Proposed Build Alternative

3.3.1.2.1 Regional Construction Impacts

Development of the proposed project is anticipated to occur in four major phases. The initial development phase would include the simultaneous completion of the I-405 southbound on-ramp at Avalon Boulevard; Lenardo Drive Bridge; and Lenardo Drive access from Carson Marketplace to Avalon Boulevard. The second phase would include

completion of Lenardo Drive; reconstruction of the I-405 southbound on-ramp; connection of the new southbound off-ramp to Lenardo Drive; and demolition of the existing southbound off-ramp. The third phase would include widening the existing I-405 northbound on-ramp and off-ramp. The fourth phase would involve finishing of the roadways which includes installation of medians, traffic striping, lighting and signals and reconstruction of the sidewalk. The four development phases have intermittent activity and overlapping of activities. The time of individual phases varies from 3 months to 14 months. The total duration of construction is approximately 22 months. The proposed schedule represents the timeframe anticipated for the construction of the project and concentrates the construction duration so it is occurring concurrently and at the earliest feasible date within the project's overall development period. This is of particular importance as construction emissions are directly related to the duration and intensity of construction activities (i.e., emissions increase as the amount of construction increases). Emission rates representative of certain stages of construction (i.e., construction worker trips and delivery vehicle trips) can also decrease over time in response to the use of vehicles or equipment that emit lower levels of pollutant emissions. The different groups of construction activities (i.e., demolition, site preparation/excavation, and building construction/finishing) and the equipment that would be used during project construction are provided in Appendix A-1 of this Technical Report.

Information regarding the estimate of potential daily emissions during construction activities is presented in Table 4 on page 39. Detailed emission calculations are provided in Appendix A-1 of this Technical Report. As presented in Table 4, construction-related daily net emissions of CO, SO_X, PM_{10}, $PM_{2.5}$, and VOC would be considered adverse but less than their respective SCAQMD thresholds. However, maximum regional emissions would exceed the recommended SCAQMD daily thresholds for NO_X.

3.3.1.2.2 Local Construction Impacts

The conservative estimate of maximum on-site daily emissions for CO, NO_X, PM_{10} and $PM_{2.5}$, was compiled for each of the individual construction site locations and compared to the applicable screening threshold based on construction site acreage and distance to closest sensitive receptor. Individual construction projects that are expected to occur simultaneously and are adjacent to one another were considered collectively as well as individually.

As shown in Table 4, localized NO_x, PM_{10} and $PM_{2.5}$ emissions would exceed the applicable screening-level construction threshold. Thus, the localized effects from the on-site construction emissions of these pollutants were analyzed using the ISCST3 dispersion model. The results of the dispersion modeling are presented in Table 5 on page 40. As shown in Table 5, NO_x and $PM_{2.5}$ localized impacts would be less than the SCAQMD

Table 4

Proposed Build Alternative-Regional Construction Emissions
(Without Minimization Measures)
(pounds per day)

	CO	NOx	PM_{10}[a]	$PM_{2.5}$[a]	VOC	SOx
Regional Emissions						
Stage 1	222	191	25	11	28	<1
Stage 2	187	156	28	14	23	<1
Stage 3	230	210	31	17	30	<1
Stage 4	129	113	25	12	24	<1
Max Overlapping[b]	**327**	**282**	**32**	**19**	**50**	**<1**
Threshold	550	100	150	55	75	150
Over/(Under)	(223)	**182**	(118)	(36)	(25)	(150)
Exceed Threshold?	No	**Yes**	No	No	No	No
Localized Emissions						
Stage 1	179	153	24	10	22	<1
Stage 2	152	136	28	13	19	<1
Stage 3	202	174	30	15	26	<1
Stage 4	99	74	25	11	20	<1
Max Overlapping[b]	**253**	**191**	**31**	**16**	**40**	**<1**
Threshold (1 Acre) @ 25 m	417	125	4	4	-	-
Over/(Under)	**(164)**	**66**	**27**	**12**	**-**	**-**
Exceed Threshold?	No	**Yes**	**Yes**	**Yes**	-	-

[a] *PM_{10} and $PM_{2.5}$ emissions estimates are based on compliance with SCAQMD Rule 403 requirements for fugitive dust suppression.*

[b] *Maximum regional emissions occur during combined Stage 3 site preparation and Stage 2 building construction during Year 2009.*

Source: PCR Services Corporation, 2006

recommended threshold for both individual stages and overlapping stages. However, localized PM_{10} impacts would exceed the SCAQMD recommended threshold during site preparation/grading for Stages 2 and 4. The maximum PM_{10} concentration of 25.7 µg/m^3 occurs at residential uses directly west of the construction activity.

3.3.1.2.3 Toxic Air Contaminants

During demolition and site grading activities there is a potential for small amounts of VOC and related toxic air contaminants (TAC) emissions to be released into the environment. If contaminated soils are encountered during excavation/grading activities, the project would be subject to SCAQMD Rule 1166 (Volatile Organic Compound Emissions from Decontamination of Soil) requirements. Among other requirements, up-

Table 5

Estimate of Local Construction Impacts (Without Minimization Measures)

Individual Stages	1-hr NO_2 ($\mu g/m^3$)	24-hr PM_{10} ($\mu g/m^3$)	24-hr $PM_{2.5}$ ($\mu g/m^3$)
Stage 1 Only	48	8.4	2.0
Stage 2 Only	127	24.5	6.6
Stage 3 Only	41	8.4	2.3
Stage 4 Only	78	25.7	6.3
Max (Individual Stages)	127	25.7	6.6
Ambient Concentration (NO_2 Only)[a]	263	-	-
Ambient + Construction Concentration (NO_2 Only)[a]	390	-	-
Threshold	470	10.4	10.4
Over/(Under)	(80)	15.3	(3.8)
Exceed SCAQMD Recommended Threshold?	No	**Yes**	No
Overlapping Stages[b]	**1-hr NO_2 ($\mu g/m^3$)**	**24-hr PM_{10} ($\mu g/m^3$)**	**24-hr $PM_{2.5}$ ($\mu g/m^3$)**
Maximum Overlapping Stages	100	8.7	2.5
Ambient Concentration (NO_2 Only)[a]	263	-	-
Ambient + Construction Concentration (NO_2 Only)[a]	363	-	-
Threshold	470	10.4	10.4
Over/(Under)	(107)	(1.7)	(7.9)
Exceed Threshold?	No	No	No

[a] *NO_2 threshold based on AAQS of 470 $\mu g/m^3$. Ambient background concentration is based on the measured maximum NO_2 concentration for SRA during the monitoring period from 2002 through 2005 (Year 2003 of 263 $\mu g/m^3$).*

[b] *As shown in Table 4, overlapping stages result in an increase of overall pollutant emissions in comparison to individual stages. However, pollutant concentrations for the overlapping stages decrease in comparison to individual stages because the pollutants are dispersed over a much larger area resulting in better dispersion.*

Source: PCR Services Corporation, 2006.

wind and down-wind monitors would be used to ensure that potential toxic air concentrations remain within SCAQMD permitted levels.

The greatest potential for TAC emissions would be related to diesel particulate emissions associated with heavy equipment operations during grading and excavation activities. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of TACs over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. Given the

short duration of construction activities, the proposed project would not result in a long-term (i.e., 70 years) substantial source of TAC emissions with no residual emissions after construction and corresponding individual cancer risk. As such, project-related toxic emission impacts during construction would not be significant.

3.3.1.2.4 Odors

Potential sources that may emit odors during construction activities include the use of architectural coatings and solvents. SCAQMD Rule 1113 limits the amount of volatile organic compounds from architectural coatings and solvents. Via mandatory compliance with SCAQMD Rules, no construction activities or materials are proposed which would create objectionable odors. As such, odor impacts during construction would not be significant.

3.3.2 Operational Impacts

Potential impacts from both the Future No-Build and Build Alternatives have been analyzed.

3.3.2.1 Future No-Build Alternative

3.3.2.1.1 Regional Operational Impacts

Any increase in regional emissions from operations would be the result of vehicular traffic. Furthermore, congestion can impact vehicular air emissions as slow and idling vehicles emit more air pollutants than free flowing vehicles. The worst-case traffic conditions were compiled for the existing and No-Build scenarios, and the traffic volumes through the analyzed intersections under the future No Build scenario are shown in Table 6 on page 42, for years 2010 and 2030, along with existing conditions (2006). The Average Daily Traffic Count (ADT) for the intersections was calculated by multiplying the peak P.M. traffic by 13.12 based on traffic studies that indicate peak hour trips comprise 7.62 percent of daily trips.[12] Under the No-Build scenario in 2010 and 2030, there would be an ADT volume through the study area of 748,365 and 790,965, an increase of 285,019 and 327,619 vehicles, respectively, above existing conditions. These increases in volumes are commensurate with decreasing service levels in the future and increases in the expected delay times at the intersections analyzed. These increases are apparent in Table 7 on page 43 which shows the existing delay times and the projected delay times for 2010 and 2030. As indicated, delay times increase for all intersections over time. The increases in ADT and delay time are attributable to major planned developments, such as

[12] *This factor was determined based on traffic studies specific to the project area, provided by Fehr & Peers - KAKU Associates, Inc.*

Table 6

Annual Average Daily Traffic Volumes within Analyzed Intersections Under the No-Build Scenario

	Existing			2010			2030		
	LOS			LOS			LOS		
Intersection Location	**A.M.**	**P.M.**	**AADT**	**A.M.**	**P.M.**	**AADT**	**A.M.**	**P.M.**	**AADT**
I-405 NB Ramps & Carson Street	A	A	30,465	A	A	37,812	A	A	40,423
I-405 SB Ramps & Carson Street	A	A	34,151	A	B	44,713	A	B	47,639
Avalon Boulevard & Carson Street	C	D	61,100	C	E	75,374	D	E	80,557
Main Street & Carson Street	C	D	56,311	D	F	79,140	D	F	83,955
Avalon Boulevard & 213th Street	B	B	45,225	B	C	53,766	B	C	57,610
Avalon Boulevard & I-405 NB Ramps	A	A	50,210	A	B	70,796	A	B	75,046
Avalon Boulevard & Lenardo Drive/I-405 SB On-Ramp	A	A	44,149	B	A	59,394	B	B	63,160
I-405 SB Ramps & Lenardo Drive	-	-	-	-	-	-	-	-	-
Main Street & Torrance Boulevard	C	C	31,462	E	F	59,801	E	F	62,464
Main Street & Lenardo Drive	-	-	-	B	D	56,482	B	D	58,384
Avalon Boulevard & Del Amo Boulevard	C	C	53,910	D	F	75,860	D	F	80,465
Stamps Drive & Del Amo Boulevard	-	-	-	C	E	66,217	C	E	67,476
Main Street & I-405 NB Off-Ramp	B	B	27,316	B	B	33,417	B	B	35,713
Main Street & I-405 SB On-Ramp	A	B	29,048	A	B	35,595	A	B	38,074
TOTAL			**463,346**			**748,365**			**790,966**

Source: PCR Services Corporation, 2006.

the Carson Marketplace, and overall growth projections. Potential impacts from the increase in ADT as compared to existing conditions resulting from these projects have been analyzed in prior environmental documentation. As will be demonstrated in Section 3.3.2.2.1, the Build Alternative will result in a net environmental benefit, derived from decreased ADT, VMT, and delay time. Thus, regional emissions from the No-Build Alternative were not quantified.

Table 7

Existing And Future Delay Times - No Build Alternative

			2006 Existing		2010 No - Build		2030 No Build	
	Intersection	Peak Hour	Delay [a]	LOS [b]	Delay	LOS	Delay	LOS
1	Carson Street &	A.M.	5.4	A	5.5	A	5.6	A
	I-405 NB Ramps	P.M.	4.8	A	4.9	A	5	A
2	Carson Street &	A.M.	6.3	A	6.7	A	9.8	A
	I-405 SB Ramps	P.M.	6.7	A	11.2	B	16.7	B
3	Avalon Boulevard &	A.M.	30.4	C	33.3	C	49.4	D
	Carson Street	P.M.	42.4	D	58.1	E	66	E
4	Main Street &	A.M.	25.4	C	37.9	D	44.2	D
	Carson Street	P.M.	42.5	D	142.9	F	162	F
5	Avalon Boulevard &	A.M.	14.7	B	15.6	B	17.4	B
	213th Street	P.M.	17.9	B	22.1	C	25.7	C
6	Avalon Boulevard &	A.M.	7	A	6.4	A	7	A
	I-405 NB Ramps	P.M.	7.9	A	13.7	B	19.7	B
7	Avalon Boulevard &	A.M.	8.9	A	11.2	B	13.5	B
	I-405 SB Ramps	P.M.	6.3	A	9.8	A	10.9	B
8	Lenardo Drive &	A.M.	Future		Future – Build		Future – Build	
	I-405 SB Ramps	P.M.	Intersection [c]		Intersection [c]		Intersection	
9	Main Street &	A.M.	22.8	C	68.7	E	85.2	E
	Torrance Boulevard	P.M.	26.6	C	101.5	F	114.2	F
10	Main Street &	A.M.	Future		10.3	B	10.4	B
	Lenardo Drive	P.M.	Intersection [d]		48.7	D	53.8	D
11	Avalon Boulevard &	A.M.	25.1	C	37.3	D	42.1	D
	Del Amo Boulevard	P.M.	30.6	C	82.7	F	98.4	F
12	Stamps Drive &	A.M.	Future		22.6	C	24.9	C
	Del Amo Boulevard	P.M.	Intersection [d]		63.1	E	77.4	E
13	Main Street &	A.M.	13.4	B	15	B	15.7	B
	I-405 NB Ramps	P.M.	11.8	B	12.7	B	13.6	B
14	Main Street &	A.M.	9.5	A	9.6	A	9.9	A
	I-405 SB Ramps	P.M.	15.5	B	16.2	B	17.9	B

[a] *Average delay in seconds per vehicle.*

[b] *Delay and level of service (LOS) calculated using 2000 Highway Capacity Manual level-of-service methodology*

[c] *Intersection does not exist; to be constructed as part of I-405/Avalon interchange improvement project.*

[d] *Intersection does not exist; to be constructed as part of Carson Marketplace Project.*

Source: Traffic Technical Report for the I-405/ Avalon Boulevard Interchange Improvement Project Report and Initial Study/Environmental Assessment, Fehr & Peers/KAKU Associates.

3.3.2.1.2 Localized Operational Impacts

Under the No-Build Alternative, declining traffic conditions occur due to projected growth in the project area. Two new intersections (Main Street and Lenardo Drive and Stamps Drive and Del Amo Boulevard) would otherwise be constructed in the project area. These improvements are not components of this proposed project. Future LOS conditions under the No Build Alternative range from A to F with six intersections operating at D or below during at least one peak hour. The LOS will deteriorate, as compared to existing conditions, at eight intersections.

The analysis of roadway CO impacts followed the protocol recommended by Caltrans and published in the document titled *Transportation Project-Level Carbon Monoxide Protocol*, December 1997. The protocol provides guidance on whether projects would require a localized CO analysis. Intersections that are likely to substantially worsen air quality at signalized intersections and represent a potential for a CO violation are intersections that operate at a level of service E or F. Thus, the intersections modeled within the AQMP were of LOS F and modeled with worst case meteorological conditions at a receptor distance of 3 meters. The most congested intersection in Los Angeles County (Wilshire Boulevard and Veteran Boulevard) was modeled with 100,000 vehicles per day. Microscale modeling was performed as part of the AQMP attainment demonstration at four intersections within the Basin that would represent the greatest potential to cause an exceedance of the CO standards. These four intersections with the greatest potential for elevated CO concentrations would not result in an exceedance of the CO standards.

All intersections where proposed improvements would occur under the No-Build condition operate at a level of service C or better and with substantially fewer vehicles than modeled in the AQMP. Modeled meteorological conditions and receptor distance would also be similar to the intersections modeled within the AQMP. Therefore, the no build condition is not suspected of resulting in higher CO concentrations than those existing within the region at the time of attainment demonstration. A detailed discussion of the decision made to determine that a localized CO analysis is not necessary is provided in Appendix A-3 of this technical report.

Because the traffic in the area was found to be primarily gasoline automobiles, with a low percentage of diesel trucks, the emissions are unlikely to result in localized PM_{10} and $PM_{2.5}$ impacts.[13] The impact of localized PM_{10} and $PM_{2.5}$ emissions are predicted to be less than significant.

[13] *Total truck traffic is only 5.42 percent of the total traffic at the closest postmile along I-405 (Postmile 12.97 Junction of Route 110, Harbor Freeway), website: http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/index.htm.*

3.3.2.1.3 Project-Level Conformity

The Transportation Conformity Rule requirements are applicable to transportation projects, meeting certain federal applicability determinations. Under the No-Build Alternative the proposed transportation improvements would not be implemented. Thus, a conformity determination is not needed for the No-Build Alternative.

3.3.2.2 Proposed Build Alternative

3.3.2.2.1 Regional Operational Impacts

The proposed Build Alternative will include construction and operation of one additional intersection, and will modify the interface between Avalon Boulevard and the project's modified ramps at two intersection locations. The project changes will affect travel patterns and delay times in the vicinity of the project site, thus affecting emissions levels from traffic in the vicinity of the project. The analysis of the potential impacts on emissions is based on a traffic analysis for this project that was prepared by Fehr & Peers/KAKU Associates, which is part of the record for this project. The traffic analysis evaluated traffic conditions with the proposed Build alternative for the three project intersections, as well as eleven other nearby intersections in the vicinity of the project interchange, a total of 14 intersections. The intersections selected cover the vicinity surrounding the project site with intersections to the south, east west and north of the project site. The traffic analysis included estimated peak hour traffic volumes through each of the intersections. These peak hour travel volumes were used for estimating daily traffic through each of the intersections. The Average Daily Traffic Count (ADT) for the intersections was calculated by multiplying the peak P.M. traffic by 13.12 based on traffic studies that indicate peak hour trips comprise 7.62 percent of daily trips.[14] Projected traffic volumes and LOS for the intersections studied are shown in Table 8 on page 46. Projected delay times for the intersections studied in the traffic analysis are shown in Table 9 on page 47.

The proposed Build Alternative will provide new direct access routes to the I-405, allowing new, less circuitous, shorter routes for travelers accessing the freeway from locations in western Carson, particularly the site of the Carson Marketplace Project. With direct routing, certain travel routes become shorter which has the effect reducing miles traveled along those routes, reducing the number of trips through individual intersections and thereby reducing VMT and delay times. The changes in trip volumes for the 14 studied intersections with implementation of the Build Alternative are shown in Table 10

[14] *This factor was determined based on traffic studies specific to the project area, provided by Fehr & Peers - KAKU Associates, Inc.*

Table 8

Annual Average Daily Traffic Volumes within Analyzed Intersections for 2010 and 2030 Under the Build Alternative

	2010			2030		
	LOS			LOS		
Intersection Location	**A.M.**	**P.M.**	**AADT**	**A.M.**	**P.M.**	**AADT**
I-405 NB Ramps & Carson Street	A	A	34,309	A	A	36,867
I-405 SB Ramps & Carson Street	A	A	37,851	A	A	40,698
Avalon Boulevard & Carson Street	C	D	66,964	C	D	72,016
Main Street & Carson Street	D	E	69,772	D	F	74,600
Avalon Boulevard & 213th Street	B	C	51,470	B	C	55,196
Avalon Boulevard & I-405 NB Ramps	B	B	68,237	B	C	72,554
Avalon Boulevard & Lenardo Drive/I-405 SB On-Ramp	B	C	69,903	B	C	73, 393
I-405 SB Ramps & Lenardo Drive	B	B	42,325	B	B	43,703
Main Street & Torrance Boulevard	D	D	48,150	E	E	50,814
Main Street & Lenardo Drive	A	B	43,926	A	B	45,828
Avalon Boulevard & Del Amo Boulevard	C	D	65,456	C	E	70,048
Stamps Drive & Del Amo Boulevard	C	C	55,589	C	C	56,849
Main Street & I-405 NB Off-Ramp	B	B	33,417	B	B	35,713
Main Street & I-405 SB On-Ramp	A	B	35,595	A	B	38,074
TOTAL			**722,964**			**766,352**

Source: PCR Services Corporation, 2007.

on page 48. As indicated, the traffic volumes through 13 of the 14 intersections analyzed are reduced. The net reduction in AADT through the intersections is 24,613 trips. (Please note that the net reduction does not equal the sum of the trips through individual intersections because some of those net trips occur at more than one intersection.)

The changes in delay times for the 14 intersection analyzed with implementation of the Build Alternative is shown Table 11 on page 49. As indicated, the average delay time would be reduced by 11.7 seconds, a reduction of 30 percent. As further indicated, seven of the intersections have reductions, some of which are quite substantial; e.g. a P.M. peak reduction of 49.5 seconds at Main Street and Torrance Boulevard, and a P.M. peak reduction of 43.3 seconds at Stamps Drive and Del Amo Boulevard. Two intersections have no change in delay time, and the remaining intersections have only slight changes in delay time.

Table 9

Future Delay Times for the Build Alternative

	Intersection	Peak Hour	2010 Build Alternative Delay [a]	2010 Build Alternative LOS[b]	2030 Build Alternative Delay [a]	2030 Build Alternative LOS[b]
1	Carson Street &	A.M.	5.7	A	6.3	A
	I-405 NB Ramps	P.M.	5.1	A	5.4	A
2	Carson Street &	A.M.	6.4	A	6.4	A
	I-405 SB Ramps	P.M.	6.5	A	6.9	A
3	Avalon Boulevard &	A.M.	27	C	29.5	C
	Carson Street	P.M.	45.8	D	47.3	D
4	Main Street &	A.M.	36.6	D	40.2	D
	Carson Street	P.M.	65.6	E	82.9	F
5	Avalon Boulevard &	A.M.	17.1	B	17.5	B
	213th Street	P.M.	27.1	C	33.4	C
6	Avalon Boulevard &	A.M.	11.7	B	12.2	B
	I-405 NB Ramps	P.M.	19.5	B	21.8	C
7	Avalon Boulevard &	A.M.	17.7	B	18.8	B
	Lenardo Drive/I-405 SB On-Ramp	P.M.	22.2	C	19.4	C
8	Lenardo Drive &	A.M.	11.6	B	11.5	B
	I-405 SB Ramps	P.M.	13.1	B	13.5	B
9	Main Street &	A.M.	42.9	D	56.7	E
	Torrance Boulevard	P.M.	53.5	D	64.7	E
10	Main Street &	A.M.	7.5	A	7.6	A
	Lenardo Drive	P.M.	14.8	B	16.8	B
11	Avalon Boulevard &	A.M.	28	C	32.6	C
	Del Amo Boulevard	P.M.	53.9	D	71.8	E
12	Stamps Drive &	A.M.	21.6	C	21.7	C
	Del Amo Boulevard	P.M.	32.4	C	34.1	C
13	Main Street &	A.M.	15	B	15.7	B
	I-405 NB Ramps	P.M.	12.7	B	13.6	B
14	Main Street &	A.M.	9.6	A	9.9	A
	I-405 SB Ramps	P.M.	16.2	B	17.9	B

[a] *Average delay in seconds per vehicle.*

[b] *Delay and level of service (LOS) calculated using 2000 Highway Capacity Manual level-of-service methodology*

Source: Traffic Technical Report for the I-405/ Avalon Boulevard Interchange Improvement Project Report and Initial Study/Environmental Assessment, Fehr & Peers/KAKU Associates.

Table 10

Trip Reductions With The Build Alternative – 2030

	Intersection	2030 No Build Alternative AADT	2030 Build Alternative AADT	Reduction in Total Trips	Trip Reductions in Individual Intersections
1	I-405 NB Ramps & Carson Street	40,423	36,867		-3,556
2	I-405 SB Ramps & Carson Street	47,639	40,698		-6,941
3	Avalon Boulevard & Carson Street	80,557	72,016		-8,541
4	Main Street & Carson Street	83,955	74,600		-9,355
5	Avalon Boulevard & 213th Street	57,610	55,196		-2,414
6	Avalon Boulevard & I-405 NB Ramps	75,046	72,554		-2,492
7	Avalon Boulevard & Lenardo Drive/ I-405 SB On-Ramp	63,160	73,393		10,233
8	I-405 SB Ramps & Lenardo Drive	NA	43,703		NA
9	Main Street & Torrance Boulevard	62,464	50,814		-11,650
10	Main Street & Lenardo Drive	58,384	45,828		-12,556
11	Avalon Boulevard & Del Amo Boulevard	80,465	70,048		-10,417
12	Stamps Drive & Del Amo Boulevard	67,476	56,849		-10,627
13	Main Street & I-405 NB Off-Ramp	35,713	35,713		0
14	Main Street & I-405 SB On-Ramp	38,074	38,074		0
	Totals	**790,966**	**766,353**	**-24,613**	**NA**

Source: PCR Services Corporation, 2007.

It may be noted in Tables 10 and 11 that the project's two existing intersections (Intersection 6, Avalon Boulevard and I-405 northbound ramps, and Intersection 7, Avalon Boulevard and Lenardo Drive/I-405 southbound ramps) include an increase in trip volumes at one location and increases in delay times at both. The reason that the volumes go up at the intersection of Avalon Boulevard and Lenardo Drive/I-405 southbound on-ramp is because the trips that are taken off of the surrounding roadways are channeled to the new intersection and new southbound freeway ramp. The increased volumes and changes in signalization are responsible for the increase in delay time at this location. Changes in signalization are the cause of the increase in delay time at the Avalon Boulevard northbound ramps. However, it should be noted that even with the increase in volume at one intersection and the increase in delay time at the two intersections, the LOS level would be an acceptable LOS C during the P.M. peak hour and LOS B during the A.M. peak hour at both intersections.

Table 11

Delay Benefits of the Build Alternative – 2030

	Intersection	Peak Hour	No Build Alternative Delay[a]	Build Alternative Delay[a]	Change in Delay
1	Carson Street &	A.M.	5.6	6.3	0.7
	I-405 NB Ramps	P.M.	5	5.4	0.4
2	Carson Street &	A.M.	9.8	6.4	-3.4
	I-405 SB Ramps	P.M.	16.7	6.9	-9.8
3	Avalon Boulevard &	A.M.	49.4	29.5	-19.9
	Carson Street	P.M.	66	47.3	-18.7
4	Main Street &	A.M.	44.2	40.2	-4
	Carson Street	P.M.	162	82.9	-79.1
5	Avalon Boulevard &	A.M.	17.4	17.5	0.1
	213th Street	P.M.	25.7	33.4	7.7
6	Avalon Boulevard &	A.M.	7	12.2	5.2
	I-405 NB Ramps	P.M.	19.7	21.8	2.1
7	Avalon Boulevard &	A.M.	13.5	18.8	5.4
	I-405 SB Ramps	P.M.	10.9	19.4	10
8	Lenardo Drive & I-405 SB Ramps		Not in No-Build -- NA		
9	Main Street &	A.M.	85.2	56.7	-28.5
	Torrance Boulevard	P.M.	114.2	64.7	-49.5
10	Main Street &	A.M.	10.4	7.6	-2.8
	Lenardo Drive	P.M.	53.8	16.8	-37
11	Avalon Boulevard &	A.M.	42.1	32.6	-9.5
	Del Amo Boulevard	P.M.	98.4	71.8	-26.6
12	Stamps Drive &	A.M.	24.9	21.7	-3.2
	Del Amo Boulevard	P.M.	77.4	34.1	-43.3
13	Main Street &	A.M.	15.7	15.7	0
	I-405 NB Ramps	P.M.	13.6	13.6	0
14	Main Street &	A.M.	9.9	9.9	0
	I-405 SB Ramps	P.M.	17.9	17.9	0
	Average		**39.1**	**27.3**	**-11.8**

[a] *Average delay in seconds per vehicle.*

Source: PCR Services Corporation, 2007.

As mentioned above, with improved direct routing for many trips, certain travel routes become shorter which has the effect of reducing miles traveled along those routes, and ultimately contributing to a reduction in VMT. At the same time, the project is not relocating the existing intersections, nor changing roadways in the vicinity of the project, nor adding trip volumes to any intersection except the one project intersection discussed above. Therefore, the project would not cause any travelers to change their trip routes in ways that would increase their mileage. However, travelers located to the west of the proposed intersection would have the incentive of reduced travel distances to change their travel behavior. This is reflected in Table 10. As indicated, all of the intersections to the west of the project have reductions in trip volume. This occurs because travelers from this area can access the freeway across Lenardo Drive. In so doing, they would avoid more circuitous routes to the freeway.

For example, without the Lenardo Drive bridge to access the southbound freeway directly, a traveler from a typical location in the center of the Carson Marketplace site would need to take a circuitous north on Stamps, east on Del Amo Boulevard, and then south on Avalon Boulevard, and then pass through the project's two Avalon Boulevard intersections to reach the southbound loop on-ramp, or approximately 1.0 miles more than the direct route from such a location. As noted in Table 10, the trip volumes at Stamps and Del Amo and at Avalon Boulevard and Del Amo Boulevard are reduced by approximately 10,000 daily trips. For illustrative purposes, it may be noted that 10,000 daily trips generating from the center of the Carson Marketplace site would save approximately 10,000 miles of reduced travel on the local network, daily. Likewise, Table 10 indicates that there are trip reductions of approximately 12,000 trips at Main Street and Torrance Boulevard and Main Street and Lenardo Drive. The travel distance to the freeway ramps from these locations with the Build Alternative is approximately 1 mile. Alternative routes to the freeway from these two Main Street intersections via Del Amo and Avalon Boulevard of Main Street and Carson Street are approximately 1.7 miles and 2.25 miles respectively. Again, if 12,000 trips used a routing that would save in the range of 0.7 to 1.25 miles, again tens of thousands of miles would be reduced daily. Trip reductions at the remaining intersections listed in Table 10 also indicate further trips that no longer engage the intersections as they have chosen shorter travel routes. Therefore, the more direct, shorter movement reduces the mileage of individual trips and therefore reduces the regional VMT.

Implementation of the Build Alternative would not add new trips to the roadway network. Further, it would not cause longer travel trips for any travelers, and as described above, would cause considerable reductions in mileage traveled. Thus, the impact of regional air pollutant emissions resulting from the Build Alternative is a net environmental benefit, which is considered less than significant.

3.3.2.2.2 Localized Operational Impacts

The analysis of roadway CO impacts followed the protocol recommended by Caltrans and published in the document titled *Transportation Project-Level Carbon Monoxide Protocol*, December 1997. The protocol provides guidance on whether projects would require a localized CO analysis. Intersections that are likely to substantially worsen air quality at signalized intersections and represent a potential for a CO violation are intersections that operate at a level of service E or F. Thus, the intersections modeled within the AQMP were of LOS F and modeled with worst case meteorological conditions at a receptor distance of 3 meters. The most congested intersection in Los Angeles County (Wilshire Boulevard and Veteran Boulevard) was modeled with 100,000 vehicles per day. Microscale modeling was performed as part of the AQMP attainment demonstration at four intersections within the Basin that would represent the greatest potential to cause an exceedance of the CO standards. These four intersections with the greatest potential for elevated CO concentrations would not result in an exceedance of the CO standards.

All intersections with proposed improvements would operate at a level of service C or better and with substantially fewer vehicles then modeled in the AQMP. Modeled meteorological conditions and receptor distance would also be similar to the intersections modeled within the AQMP. Therefore, the Build alternative is not suspected of resulting in higher CO concentrations than those existing within the region at the time of attainment demonstration. A detailed discussion of the decision made to determine that a localized CO analysis is not necessary is provided in Appendix A-3 of this technical report.

The percentage of truck traffic in the area is not expected to increase as a result of the project. Due to the improvement in traffic circulation and resulting decreases in VMT as well as a low percentage of diesel powered heavy duty vehicles through these intersections (the diesel traffic percentage is estimated to be 2.4 percent based on the 2004 truck data from the Caltrans Traffic and Vehicle Data Systems Unit), the impact to localized PM_{10} and $PM_{2.5}$ levels is expected to be less than significant.

3.3.2.2.3 Project-Level Conformity

Under the requirements of the Clean Air Act Amendments, proposed transportation projects must be derived from an RTP that conforms to the applicable local air quality plans in the state implementation plan. Projects must also be included in a TIP that conforms with the State Implementation Plan (SIP). The proposed ramp improvements are included in the Final Adopted 2006 Regional Transportation Improvement Program (RTIP), as project identifier LAE2198. The project is described therein as “Avalon Boulevard Interchange modification at I-405 improving Avalon/I-405 Interchange by constructing a new southbound on-ramp, widening northbound off-ramp and on-ramp,

providing access." It is therefore determined that the Build Alternative would be in conformance with the SIP and is consistent with the requirements of the Transportation Conformity Rule.

The USEPA specified in 40 CFR 93.123(b)(1) of the 2006 Final Rule that POAQC are those highway and transit projects that involve significant levels of diesel vehicle traffic, or any other project that is identified in the $PM_{2.5}$ and PM_{10} SIP as a localized air quality concern. Details of the project were presented to the SCAG Transportation Conformity Working Group (TCWG) on November 28, 2006. Specifically, the diesel traffic percentage is estimated to be 2.4 percent based on the 2004 truck data from the Caltrans Traffic and Vehicle Data Systems Unit.[15] Because the project-related intersections, roadways, and ramps are not predicted to involve a significant volume of diesel vehicles, major contributors to airborne particulate matter concentrations from transportation projects, and the project does not meet the other criteria (see Section 3.2.2.2), the TCWG found this project not to be a POAQC. A copy of the meeting minutes documenting this decision is included in Appendix A-5. Thus, this project is considered to have met regulatory requirements with respect to demonstrating conformity for PM_{10} and $PM_{2.5}$.

As discussed above, all intersections with proposed improvements would operate at a level of service C or better and with substantially fewer vehicles then modeled in the AQMP. Modeled meteorological conditions and receptor distance would also be similar to the intersections modeled within the AQMP. Therefore, the Build alternative is not suspected of resulting in higher CO concentrations than those existing within the region at the time of attainment demonstration. A detailed discussion of the decision made to determine that a localized CO analysis is not necessary is provided in Appendix A-3 of this technical report. Thus, the project is considered to conform with the applicable CO AQMP.

3.3.2.3 Toxic Air Contaminants

As discussed above, mobile source air toxic impacts were evaluated consistent with FHWA's Interim Guidance on Air Toxics Analysis in NEPA (February 3, 2006). The FHWA has developed a tiered approach for analyzing MSATs in NEPA documents. The proposed improvements would be classified as a Type 2 project. A Type 2 project is an improvement that serves to improve operations of highway, transit or freight without adding substantial new capacity or without creating a facility that is likely to meaningfully increase emissions. The FHWA recommends that a qualitative assessment of emissions projections should be conducted for Type 2 projects. The qualitative assessment should compare, in narrative form, the expected effect of the project on traffic volumes, vehicle mix, or routing of traffic, and the associated changes in MSATs for the project alternatives.

[15] *Caltrans Traffic Data Systems Unit. Available online: http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/index.htm*

As the fleet mix and vehicle miles traveled would be similar for each alternative, the amount of mobile source air toxics (MSAT) emitted would be proportional to the average daily trips (AADT), vehicle miles traveled (VMT), and delay time. As discussed above, future 2030 LOS conditions across the 14 intersections analyzed with the proposed Build Alternative would range from A to F, with four intersections operating at D or below during at least one peak hour. The project would improve or maintain LOS conditions at 12 of the 14 intersections analyzed. The AADT would increase at the intersection of Avalon Boulevard & Lenardo Drive and the intersection of I-405 southbound ramp and Lenardo Drive versus those of the No Build Alternative (i.e., at the reconfiguration of the southbound ramps).. This increase in AADT would lead to higher MSAT emissions for the action alternative along the proposed improvements at these two locations and a corresponding decrease in overall MSAT emissions at intersections within the vicinity of the proposed improvements. With that being said, the proposed Build Alternative results in an approximate three percent reduction in AADT for all studied intersections. This net benefit is the result of more direct travel flow associated with accessing the I-405 Freeway. Although the same number of vehicles are using the freeway, the more conveniently located on and off ramps result in less overall VMT. This case is especially true for trips originating to the northwest of the project site. The construction of the bridge at Lenardo Drive and I-405 southbound on- and off-ramps creates a more direct route to access the freeway, which reduces regional VMT.

Because the estimated ADT under this Alternative is similar to the No Build Alternative, varying by less than three percent, it is expected there would be no appreciable difference in overall MSAT emissions among the alternatives. Regardless of the alternative chosen, emissions would likely be lower than present levels in the design year as a result of EPA's national control programs that are projected to reduce MSAT emissions by 57 to 87 percent from 2000 to 2020. Local conditions may differ from these national projections in terms of fleet mix and turnover, VMT growth rates, and local control measures. In addition, DPM is one of the CARB's highest public health priorities and the focus of a comprehensive statewide control program that is reducing DPM emissions each year. The CARB's long-term goal is to reduce DPM emissions 85 percent by 2020. The magnitude of the projected reductions in MSAT and DPM is so great that MSAT emissions in the study area are likely to be lower in the future in virtually all locations. Also, the vast majority of the City of Carson is located in an area with between 500 and 750 cancers per million.[16] The project site is also within this range. Therefore, there is an inherent health risk associated with living in Carson and implementation of this project would not substantially increase this risk. The proposed improvements contemplated as part of the project alternative would have the effect of moving some traffic closer to nearby homes and businesses; therefore, under this alternative there may be localized areas where ambient concentrations of MSATs could be higher under the Build Alternative than the No

[16] *http://www.arb.ca.gov/toxics/cti/hlthrisk/cncrinhl/riskmapviewfull.htm*.

Build Alternative. The localized increases in MSAT concentrations would likely be most pronounced along the expanded roadway sections of Lenardo Drive and the new I-405 southbound ramp. However, as discussed above, the magnitude and the duration of these potential increases compared to the No-build alternative cannot be accurately quantified due to the inherent deficiencies of current models. In sum, when a highway is widened and, as a result, moves closer to receptors, the localized level of MSAT emissions for the Build Alternative could be higher relative to the No Build Alternative, but this could be offset due to reductions in congestion (which are associated with lower MSAT emissions). Also, MSATs will be lower in other locations when traffic shifts away from them. However, on a regional basis, EPA's vehicle and fuel regulations, coupled with fleet turnover, will over time cause substantial reductions that, in almost all cases, will cause region-wide MSAT levels to be significantly lower than today.

CHAPTER 4. MINIMIZATION MEASURES

4.1 NO-BUILD ALTERNATIVE

None proposed

4.2 PROPOSED BUILD ALTERNATIVE

The following minimization measures are (1) intended to implement requirements of SCAQMD Rule 403 (Fugitive Dust) and (2) set forth a program of air pollution control strategies designed to reduce the proposed project's air quality impacts to the extent feasible.

Measure 1: General contractors shall implement a fugitive dust control program pursuant to the provisions of SCAQMD Rule 403.[17]

Measure 2: All construction equipment shall be properly tuned and maintained in accordance with manufacturer's specifications.

Measure 3: All contractors shall maintain and operate construction equipment so as to minimize exhaust emissions. During construction, trucks and vehicles in loading and unloading queues would turn their engines off, when not in use, to reduce vehicle emissions. Construction emissions should be phased and scheduled to avoid emissions peaks and discontinued during second-stage smog alerts.

Measure 4: Electricity from power poles rather than temporary diesel- or gasoline-powered generators shall be used to the extent feasible.

Measure 5: All construction vehicles shall be prohibited from idling in excess of ten minutes, both on- and off-site.

Measure 6: Project heavy-duty construction equipment shall use alternative clean fuels, such as low sulfur diesel or compressed natural gas with oxidation catalysts or particulate traps, to the extent feasible.

[17] *SCAQMD Rule 403 requirements are detailed in Appendix A.*

Measure 7: The Applicant shall utilize coatings and solvents that are consistent with applicable SCAQMD rules and regulations**.**

Measure 8: The Applicant shall comply with SCAQMD Rule 402 to reduce potential nuisance impacts due to odors from construction activities.

Measure 9: All construction vehicle tires shall be washed at the time these vehicles exit the project site.

Measure 10: All import/export soil carried by haul trucks shall be covered by a tarp or other means.

Measure 11: Any intensive dust generating activity such as grinding concrete for existing roads must be controlled to the greatest extent feasible.

CHAPTER 5. LEVEL OF SIGNIFICANCE AFTER MITIGATION

5.1 NO-BUILD ALTERNATIVE

No impacts.

5.2 PROPOSED BUILD ALTERNATIVE

With implementation of the above mitigation measures, heavy-duty construction equipment emissions of PM_{10}, VOC, NO_x, SO_x, and CO would be reduced by a minimum of 5 percent. However, regional construction activities would still exceed the SCAQMD daily emission thresholds for regional NO_X after implementation of all feasible mitigation measures, and localized emissions would still exceed the SCAQMD daily emission threshold for PM_{10} after implementation of all feasible mitigation measures. These impacts would be temporary short-term impacts associated with project construction. No notable impacts related to TAC emissions during construction are anticipated to occur for the proposed project. The proposed project is not anticipated to generate a substantial amount of objectionable odor emissions during construction. Via mandatory compliance with SCAQMD Rules, no construction activities or materials are proposed that would create objectionable odors.

With regard to project operations (Build Alternative), no significant impacts related to transportation conformity, local CO concentrations, or air toxics would occur for the proposed project. Project development would be consistent with the air quality polices set forth in the SCAQMD's AQMP, resulting in an impact that is less than significant.

APPENDIX A

Air Quality Assessment Data

Carson Ramp Improvements

Air Quality Assessment Files

Provided by PCR Services Corporation

June 2007

APPENDIX A-1

Project Construction Emissions

Appendix A-1

- Construction Emissions Inventory
  - Construction Phasing Schedule
  - Construction Emissions Sheets
  - Local Construction Emissions
    - ISC Input Values
    - Contour Plots (Industrial Source Complex)
    - Industrial Source Complex Dispersion Modeling Outputs

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	Hours	HP	Load	TripLen	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck				25	4	4	4	4	4													
		Pick Up Truck				20	3	3	3	3	3													
		Tractor/Loader/Backhoe	8	79	0.47		3	3	3	3	3													
	Phase 2 - Site Preparation / Grading	Excavator/Grader	8	180	0.58							2	2	2	2									
		Flatbed/Haulers (Truck)				18						12	12	12	12									
		Generator/Compressor	8	50	0.62							4	4	4	4									
		Pick Up				10						6	6	6	6									
		Rubber Tired Loader	8	165	0.47							2	2	2	2									
		Tractor/Loader/Backhoe	8	79	0.47							3	3	3	3									
		Vibratory Roller	8	114	0.43							2	2	2	2									
		Water Truck				60						1	1	1	1									
	Phase 3 - Footing Construction	200 ton Crane	8	190	0.43											1	1	1	1	1	1	1	1	1
		Concrete Pump Truck	8	190	0.62											1	1	1	1	1	1	1	1	1
		Concrete Truck				15										8	8	8	8	8	8	8	8	8
		Generator/Compressor	8	50	0.62											4	4	4	4	4	4	4	4	4
		Haul Truck				30										4	4	4	4	4	4	4	4	4
		Pick Up				20										4	4	4	4	4	4	4	4	4
		Tractor/Loader/Backhoe	8	79	0.47											2	2	2	2	2	2	2	2	2
		Water Truck				60										1	1	1	1	1	1	1	1	1
	Phase 4 - Column Construction	140 ton Crane	6	190	0.43																			
		Concrete Pump Truck	4	190	0.62																			
		Concrete Truck				20																		
		Flatbed				20																		
		Generator/Compressor	8	50	0.62																			
		Pick Up				40																		
	Phase 5 - Falsework	Boom	8	190	0.62																			
		Flatbed/Semi Truck				19																		
		Generator/Compressor	8	50	0.62																			
		Pick Up				40																		
		Rough Terrain Forklift	8	94	0.48																			
		Rubber Tired Loader	8	165	0.47																			
		Scissor Lift	8	94	0.48																			
	Phase 6 - Superstructure	275 ton Crane	8	190	0.43																			
		Concrete Pump Truck	8	190	0.62																			
		Concrete Truck				15																		
		Flatbed/Semi Truck				15																		
		Generator/Compressor	8	50	0.62																			
		Pick Up				20																		
		Rough Terrain Forklift	8	94	0.48																			
	Phase 7 - Access Roads to Torrance Lateral C	200 ton Crane	8	190	0.43																			
		Concrete Pump Truck	8	190	0.62																			
		Concrete Truck				20																		
		Flatbed/Semi Truck				50																		
		Generator/Compressor	8	50	0.62																			
		Pick Up				40																		
		Rough Terrain Forklift	8	94	0.48																			
		Rubber Tired Loader	8	165	0.47																			
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck				68																		
		Bucket Truck				34																		
		Generator/Compressor	8	50	0.62																			
		Paint truck				40																		
		Pick Up				15																		
		Semi Truck				70																		
	Phase 10 - Drainage	Haul Truck/Flatbed				48																		
		Pick Up				15																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
		Vibratory Roller	8	114	0.43																			
		Water Truck				30																		
	Worker Trips	Worker Trips - Calculated Total				20	13	13	13	13	13	34	34	34	34	42	42	42	42	42	42	42	42	42
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep					12.6	12.6	12.6	12.6	12.6	33.6	33.6	33.6	33.6	42	42	42	42	42	42	42	42	42
	Asphalt	Asphalt (acres per month)																						
	Fugitive Dust	Fugitive Dust (acres per day) - Max					0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
		Fugitive Dust (acres per day) - Normal																						
		Fugitive Dust (square footage per week) - Demo					25	25	25	25	25	60	60	60	60	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
		Fugitive Dust (yd3 per day) - Normal																						

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																				
		Pick Up Truck																				
		Tractor/Loader/Backhoe																				
	Phase 2 - Site Preparation / Grading	Excavator/Grader																				
		Flatbed/Haulers (Truck)																				
		Generator/Compressor																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - Footing Construction	200 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Generator/Compressor																				
		Haul Truck																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
		Water Truck																				
	Phase 4 - Column Construction	140 ton Crane	1	1	1	1	1	1														
		Concrete Pump Truck	1	1	1	1	1	1														
		Concrete Truck	6	6	6	6	6	6														
		Flatbed	4	4	4	4	4	4														
		Generator/Compressor	8	8	8	8	8	8														
		Pick Up	2	2	2	2	2	2														
	Phase 5 - Falsework	Boom					1	1	1	1	1	1	1	1	1							
		Flatbed/Semi Truck					8	8	8	8	8	8	8	8	8							
		Generator/Compressor					8	8	8	8	8	8	8	8	8							
		Pick Up					2	2	2	2	2	2	2	2	2							
		Rough Terrain Forklift					2	2	2	2	2	2	2	2	2							
		Rubber Tired Loader					1	1	1	1	1	1	1	1	1							
		Scissor Lift					2	2	2	2	2	2	2	2	2							
	Phase 6 - Superstructure	275 ton Crane							1	1	1	1	1	1	1	1	1	1	1	1	1	
		Concrete Pump Truck							2	2	2	2	2	2	2	2	2	2	2	2	2	
		Concrete Truck							8	8	8	8	8	8	8	8	8	8	8	8	8	
		Flatbed/Semi Truck							10	10	10	10	10	10	10	10	10	10	10	10	10	
		Generator/Compressor							8	8	8	8	8	8	8	8	8	8	8	8	8	
		Pick Up							4	4	4	4	4	4	4	4	4	4	4	4	4	
		Rough Terrain Forklift							2	2	2	2	2	2	2	2	2	2	2	2	2	
	Phase 7 - Access Roads to Torrance Lateral C	200 ton Crane																				1
		Concrete Pump Truck																				1
		Concrete Truck																				6
		Flatbed/Semi Truck																				3
		Generator/Compressor																				6
		Pick Up																				2
		Rough Terrain Forklift																				2
		Rubber Tired Loader																				1
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																				
		Bucket Truck																				
		Generator/Compressor																				
		Paint truck																				
		Pick Up																				
		Semi Truck																				
	Phase 10 - Drainage	Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Worker Trips	Worker Trips - Calculated Total	42	42	42	42	72	72	72	72	72	72	72	72	72	42	42	42	42	42	42	42	26
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep	42	42	42	42	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	42	42	42	42	42	42	42	25.2
	Asphalt	Asphalt (acres per month)																					0.5
	Fugitive Dust	Fugitive Dust (acres per day) - Max																					
		Fugitive Dust (acres per day) - Normal																					0.25
		Fugitive Dust (square footage per week) - Demo																					
		Fugitive Dust (yd3 per day) - Normal																					370

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																					
		Pick Up Truck																					
		Tractor/Loader/Backhoe																					
	Phase 2 - Site Preparation / Grading	Excavator/Grader																					
		Flatbed/Haulers (Truck)																					
		Generator/Compressor																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Phase 3 - Footing Construction	200 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Generator/Compressor																					
		Haul Truck																					
		Pick Up																					
		Tractor/Loader/Backhoe																					
		Water Truck																					
	Phase 4 - Column Construction	140 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Flatbed																					
		Generator/Compressor																					
		Pick Up																					
	Phase 5 - Falsework	Boom																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
		Scissor Lift																					
	Phase 6 - Superstructure	275 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
	Phase 7 - Access Roads to Torrance Lateral C	200 ton Crane	1	1	1	1	1																
		Concrete Pump Truck	1	1	1	1	1																
		Concrete Truck	6	6	6	6	6																
		Flatbed/Semi Truck	3	3	3	3	3																
		Generator/Compressor	6	6	6	6	6																
		Pick Up	2	2	2	2	2																
		Rough Terrain Forklift	2	2	2	2	2																
		Rubber Tired Loader	1	1	1	1	1																
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																					
		Bucket Truck																					
		Generator/Compressor																					
		Paint truck																					
		Pick Up																					
		Semi Truck																					
	Phase 10 - Drainage	Haul Truck/Flatbed																	4	4	4	4	
		Pick Up																	4	4	4	4	
		Rubber Tired Loader																	1	1	1	1	
		Tractor/Loader/Backhoe																	4	2	2	2	
		Vibratory Roller																	2	2	2	2	
		Water Truck																	1	1	1	1	
	Worker Trips	Worker Trips - Calculated Total	26	26	26	26	26																
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep	25.2	25.2	25.2	25.2	25.2																
	Asphalt	Asphalt (acres per month)	0.5	0.5	0.5	0.5	0.5																
	Fugitive Dust	Fugitive Dust (acres per day) - Max																					
		Fugitive Dust (acres per day) - Normal	0.25	0.25	0.25	0.25	0.25																
		Fugitive Dust (square footage per week) - Demo																					
		Fugitive Dust (yd3 per day) - Normal	370	370	370	370	370																

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																				
		Pick Up Truck																				
		Tractor/Loader/Backhoe																				
	Phase 2 - Site Preparation / Grading	Excavator/Grader																				
		Flatbed/Haulers (Truck)																				
		Generator/Compressor																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - Footing Construction	200 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Generator/Compressor																				
		Haul Truck																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
		Water Truck																				
	Phase 4 - Column Construction	140 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Flatbed																				
		Generator/Compressor																				
		Pick Up																				
	Phase 5 - Falsework	Boom																				
		Flatbed/Semi Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
		Rubber Tired Loader																				
		Scissor Lift																				
	Phase 6 - Superstructure	275 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Flatbed/Semi Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
	Phase 7 - Access Roads to Torrance Lateral C	200 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Flatbed/Semi Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
		Rubber Tired Loader																				
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck		1	1	1	1	1	1	1	1	1	1									
		Bucket Truck		2	2	2	2	2	2	2	2	2	2									
		Generator/Compressor		4	4	4	4	4	4	4	4	4	4									
		Paint truck		1	1	1	1	1	1	1	1	1	1									
		Pick Up		6	6	6	6	6	6	6	6	6	6									
		Semi Truck		1	1	1	1	1	1	1	1	1	1									
	Phase 10 - Drainage	Haul Truck/Flatbed	4																			
		Pick Up	4																			
		Rubber Tired Loader	1																			
		Tractor/Loader/Backhoe	2																			
		Vibratory Roller	2																			
		Water Truck	1																			
	Worker Trips	Worker Trips - Calculated Total																				
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																				
	Asphalt	Asphalt (acres per month)																				
	Fugitive Dust	Fugitive Dust (acres per day) - Max																				
		Fugitive Dust (acres per day) - Normal																				
		Fugitive Dust (square footage per week) - Demo																				
		Fugitive Dust (yd3 per day) - Normal																				

Project	Phase	EquipmentName	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck						
		Pick Up Truck						
		Tractor/Loader/Backhoe						
	Phase 2 - Site Preparation / Grading	Excavator/Grader						
		Flatbed/Haulers (Truck)						
		Generator/Compressor						
		Pick Up						
		Rubber Tired Loader						
		Tractor/Loader/Backhoe						
		Vibratory Roller						
		Water Truck						
	Phase 3 - Footing Construction	200 ton Crane						
		Concrete Pump Truck						
		Concrete Truck						
		Generator/Compressor						
		Haul Truck						
		Pick Up						
		Tractor/Loader/Backhoe						
		Water Truck						
	Phase 4 - Column Construction	140 ton Crane						
		Concrete Pump Truck						
		Concrete Truck						
		Flatbed						
		Generator/Compressor						
		Pick Up						
	Phase 5 - Falsework	Boom						
		Flatbed/Semi Truck						
		Generator/Compressor						
		Pick Up						
		Rough Terrain Forklift						
		Rubber Tired Loader						
		Scissor Lift						
	Phase 6 - Superstructure	275 ton Crane						
		Concrete Pump Truck						
		Concrete Truck						
		Flatbed/Semi Truck						
		Generator/Compressor						
		Pick Up						
		Rough Terrain Forklift						
	Phase 7 - Access Roads to Torrance Lateral C	200 ton Crane						
		Concrete Pump Truck						
		Concrete Truck						
		Flatbed/Semi Truck						
		Generator/Compressor						
		Pick Up						
		Rough Terrain Forklift						
		Rubber Tired Loader						
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck						
		Bucket Truck						
		Generator/Compressor						
		Paint truck						
		Pick Up						
		Semi Truck						
	Phase 10 - Drainage	Haul Truck/Flatbed						
		Pick Up						
		Rubber Tired Loader						
		Tractor/Loader/Backhoe						
		Vibratory Roller						
		Water Truck						
	Worker Trips	Worker Trips - Calculated Total						
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep						
	Asphalt	Asphalt (acres per month)						
	Fugitive Dust	Fugitive Dust (acres per day) - Max						
		Fugitive Dust (acres per day) - Normal						
		Fugitive Dust (square footage per week) - Demo						
		Fugitive Dust (yd3 per day) - Normal						

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	Hours	HP	Load	TripLen	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck				25																		
		Pick-Up				20																		
		Tractor/Loader/Backhoe	8	79	0.47																			
	Phase 2 - Grading	Excavator	8	180	0.58																			
		Generator/Compressor	8	50	0.62																			
		Grader	8	174	0.58																			
		Haul Truck/Flatbed				18																		
		Pick Up				10																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
		Vibratory Roller	8	114	0.43																			
		Water Truck				60																		
	Phase 3 - Lenardo Drive Widening and SB I-4(	200-ton Crane	8	190	0.43																			
		Concrete Pump Truck	8	190	0.62																			
		Concrete Truck				20																		
		Generator/Compressor	8	50	0.62																			
		Pick Up				45																		
		Rough Terrain Forklift	8	94	0.48																			
		Rubber Tired Loader	8	165	0.47																			
		Semi-truck/Flatbed				53																		
	Phase 4 - Roadway Demolition	Generator/Compressor	8	50	0.62																			
		Haul Truck/Flatbed				24																		
		Pick-Up				23																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
	Worker Trips	Worker Trips - Calculated Total				20																		
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																						
	Fugitive Dust	Fugitive Dust (acres per day) - Max																						
		Fugitive Dust (acres per day) - Normal																						
		Fugitive Dust (square footage per week) - Demo																						
		Fugitive Dust (yd3 per day) - Normal																						
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck				25																		
		Pick Up				20																		
		Tractor/Loader/Backhoe	8	79	0.47																			
	Phase 2 - Grading	Excavator	8	180	0.58																			
		Generator/Compressor	8	50	0.62																			
		Grader	8	174	0.58																			
		Haul Truck/Flatbed				18																		
		Loader	8	165	0.47																			
		Pick Up				10																		
		Tractor/Loader/Backhoe	8	79	0.47																			
		Vibratory Roller	8	114	0.43																			
		Water Truck				60																		
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane	8	190	0.43																			
		Concrete Pump Truck	8	190	0.62																			
		Concrete Truck				20																		
		Generator/Compressor	8	50	0.62																			
		Pick Up				45																		
		Rough Terrain Forklift	8	94	0.48																			
		Rubber Tired Loader	8	165	0.47																			
		Semi Truck/Flatbed				53																		
	Phase 4 - Roadway Demolition	Excavator	8	180	0.58																			
		Generator/Compressor	8	50	0.62																			
		Haul Truck/Flatbed				17																		
		Pick Up				23																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
	Phase 5 - Stripping, Lighting and Signing	Boom Truck				80																		
		Bucket Truck				40																		
		Compressor/Generator	8	50	0.62																			
		Paint truck				80																		
		Pick Up				15																		
		Semi Truck				70																		
	Phase 6 - Drainage	Compressor/Generator	8	50	0.62																			
		Haul Truck/Flatbed				43																		
		Pick Up				23																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
		Vibratory Roller	8	114	0.43																			
		Water Truck				30																		
	Worker Trips	Worker Trips - Calculated Total				20																		
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																						
	Asphalt	Asphalt (acres per month)																						
	Fugitive Dust	Fugitive Dust (acres per day) - Max																						
		Fugitive Dust (acres per day) - Normal																						
		Fugitive Dust (square footage per week) - Demo																						
		Fugitive Dust (yd3 per day) - Normal																						

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																				
		Pick-Up																				
		Tractor/Loader/Backhoe																				
	Phase 2 - Grading	Excavator																				
		Generator/Compressor																				
		Grader																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - Lenardo Drive Widening and SB I-4(	200-ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
		Rubber Tired Loader																				
		Semi-truck/Flatbed																				
	Phase 4 - Roadway Demolition	Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick-Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
	Worker Trips	Worker Trips - Calculated Total																				
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																				
	Fugitive Dust	Fugitive Dust (acres per day) - Max																				
		Fugitive Dust (acres per day) - Normal																				
		Fugitive Dust (square footage per week) - Demo																				
		Fugitive Dust (yd3 per day) - Normal																				
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
	Phase 2 - Grading	Excavator																				
		Generator/Compressor																				
		Grader																				
		Haul Truck/Flatbed																				
		Loader																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
		Rubber Tired Loader																				
		Semi Truck/Flatbed																				
	Phase 4 - Roadway Demolition	Excavator																				
		Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																				
		Bucket Truck																				
		Compressor/Generator																				
		Paint truck																				
		Pick Up																				
		Semi Truck																				
	Phase 6 - Drainage	Compressor/Generator																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Worker Trips	Worker Trips - Calculated Total																				
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																				
	Asphalt	Asphalt (acres per month)																				
	Fugitive Dust	Fugitive Dust (acres per day) - Max																				
		Fugitive Dust (acres per day) - Normal																				
		Fugitive Dust (square footage per week) - Demo																				
		Fugitive Dust (yd3 per day) - Normal																				

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck						4	4	4	4												
		Pick-Up						3	3	3	3												
		Tractor/Loader/Backhoe						3	3	3	3												
	Phase 2 - Grading	Excavator										1	1	1	1								
		Generator/Compressor										4	4	4	4								
		Grader										1	1	1	1								
		Haul Truck/Flatbed										12	12	12	12								
		Pick Up										6	6	6	6								
		Rubber Tired Loader										2	2	2	2								
		Tractor/Loader/Backhoe										3	3	3	3								
		Vibratory Roller										2	2	2	2								
		Water Truck										1	1	1	1								
	Phase 3 - Lenardo Drive Widening and SB I-4(	200-ton Crane														1	1	1	1	1	1		
		Concrete Pump Truck														1	1	1	1	1	1		
		Concrete Truck														6	6	6	6	6	6		
		Generator/Compressor														6	6	6	6	6	6		
		Pick Up														2	2	2	2	2	2		
		Rough Terrain Forklift														2	2	2	2	2	2		
		Rubber Tired Loader														1	1	1	1	1	1		
		Semi-truck/Flatbed														3	3	3	3	3	3		
	Phase 4 - Roadway Demolition	Generator/Compressor																		6	6	6	6
		Haul Truck/Flatbed																		10	10	10	10
		Pick-Up																		4	4	4	4
		Rubber Tired Loader																		2	2	2	2
		Tractor/Loader/Backhoe																		3	3	3	3
	Worker Trips	Worker Trips - Calculated Total						13	13	13	13	34	34	34	34	26	26	26	26	76	76	51	51
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep						12.6	12.6	12.6	12.6	33.6	33.6	33.6	33.6	25.2	25.2	25.2	25.2	75.6	75.6	50.4	50.4
	Fugitive Dust	Fugitive Dust (acres per day) - Max								0.25	0.25									0.1	0.1	0.1	0.1
		Fugitive Dust (acres per day) - Normal										0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		
		Fugitive Dust (square footage per week) - Demo						35	35	35	35									58.333333	58.333333	58.333333	58.333333
		Fugitive Dust (yd3 per day) - Normal										330	330	330	330	370	370	370	370	370	370		
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																					
		Pick Up																					
		Tractor/Loader/Backhoe																					
	Phase 2 - Grading	Excavator																					
		Generator/Compressor																					
		Grader																					
		Haul Truck/Flatbed																					
		Loader																					
		Pick Up																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
		Semi Truck/Flatbed																					
	Phase 4 - Roadway Demolition	Excavator																					
		Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																					
		Bucket Truck																					
		Compressor/Generator																					
		Paint truck																					
		Pick Up																					
		Semi Truck																					
	Phase 6 - Drainage	Compressor/Generator																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Worker Trips	Worker Trips - Calculated Total																					
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																					
	Asphalt	Asphalt (acres per month)																					
	Fugitive Dust	Fugitive Dust (acres per day) - Max																					
		Fugitive Dust (acres per day) - Normal																					
		Fugitive Dust (square footage per week) - Demo																					
		Fugitive Dust (yd3 per day) - Normal																					

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																					
		Pick-Up																					
		Tractor/Loader/Backhoe																					
	Phase 2 - Grading	Excavator																					
		Generator/Compressor																					
		Grader																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Phase 3 - Lenardo Drive Widening and SB I-4(	200-ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
		Semi-truck/Flatbed																					
	Phase 4 - Roadway Demolition	Generator/Compressor	6																				
		Haul Truck/Flatbed	10																				
		Pick-Up	4																				
		Rubber Tired Loader	2																				
		Tractor/Loader/Backhoe	3																				
	Worker Trips	Worker Trips - Calculated Total	51	26	26	26	26	26	26	26	26	26											
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep	50.4	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2											
	Fugitive Dust	Fugitive Dust (acres per day) - Max	0.1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02											
		Fugitive Dust (acres per day) - Normal																					
		Fugitive Dust (square footage per week) - Demo	58.333333	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6											
		Fugitive Dust (yd3 per day) - Normal																					
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck							4	4	4	4											
		Pick Up							3	3	3	3											
		Tractor/Loader/Backhoe							2	2	2	2											
	Phase 2 - Grading	Excavator											1	1	1								
		Generator/Compressor											4	4	4								
		Grader											1	1	1								
		Haul Truck/Flatbed											12	12	12								
		Loader											2	2	2								
		Pick Up											6	6	6								
		Tractor/Loader/Backhoe											3	3	3								
		Vibratory Roller											2	2	2								
		Water Truck											1	1	1								
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane														1	1	1	1	1	1		
		Concrete Pump Truck														1	1	1	1	1	1		
		Concrete Truck														6	6	6	6	6	6		
		Generator/Compressor														6	6	6	6	6	6		
		Pick Up														2	2	2	2	2	2		
		Rough Terrain Forklift														2	2	2	2	2	2		
		Rubber Tired Loader														1	1	1	1	1	1		
		Semi Truck/Flatbed														3	3	3	3	3	3		
	Phase 4 - Roadway Demolition	Excavator														1	1						
		Generator/Compressor														6	6						
		Haul Truck/Flatbed														14	14						
		Pick Up														4	4						
		Rubber Tired Loader														2	1						
		Tractor/Loader/Backhoe														2	2						
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																	1	1	1	1	1
		Bucket Truck																	2	2	2	2	2
		Compressor/Generator																	4	4	4	4	4
		Paint truck																	1	1	1	1	1
		Pick Up																	6	6	6	6	6
		Semi Truck																	1	1	1	1	1
	Phase 6 - Drainage	Compressor/Generator																4	4	4			
		Haul Truck/Flatbed																4	4	4			
		Pick Up																4	4	4			
		Rubber Tired Loader																1	1	1			
		Tractor/Loader/Backhoe																2	2	2			
		Vibratory Roller																2	2	2			
		Water Truck																1	1	1			
	Worker Trips	Worker Trips - Calculated Total	13	13	13	13	34	34	34	26	43	51	76	76	60	26	26						
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep	12.6	12.6	12.6	12.6	33.6	33.6	33.6	25.2	42	50.4	75.6	75.6	58.8	25.2	25.2						
	Asphalt	Asphalt (acres per month)								0.5	0.5	0.5	0.5	0.5	0.5								
	Fugitive Dust	Fugitive Dust (acres per day) - Max	0.5	0.5	0.5	0.5					0.1	0.12	0.12	0.12	0.03	0.01	0.01						
		Fugitive Dust (acres per day) - Normal					0.25	0.25	0.25	0.25	0.25												
		Fugitive Dust (square footage per week) - Demo	25	25	25	25				500	502	2	5	5	3	3	3						
		Fugitive Dust (yd3 per day) - Normal					400	400	400	400	400												

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck						
		Pick-Up						
		Tractor/Loader/Backhoe						
	Phase 2 - Grading	Excavator						
		Generator/Compressor						
		Grader						
		Haul Truck/Flatbed						
		Pick Up						
		Rubber Tired Loader						
		Tractor/Loader/Backhoe						
		Vibratory Roller						
		Water Truck						
	Phase 3 - Lenardo Drive Widening and SB I-4(	200-ton Crane						
		Concrete Pump Truck						
		Concrete Truck						
		Generator/Compressor						
		Pick Up						
		Rough Terrain Forklift						
		Rubber Tired Loader						
		Semi-truck/Flatbed						
	Phase 4 - Roadway Demolition	Generator/Compressor						
		Haul Truck/Flatbed						
		Pick-Up						
		Rubber Tired Loader						
		Tractor/Loader/Backhoe						
	Worker Trips	Worker Trips - Calculated Total						
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep						
	Fugitive Dust	Fugitive Dust (acres per day) - Max						
		Fugitive Dust (acres per day) - Normal						
		Fugitive Dust (square footage per week) - Demo						
		Fugitive Dust (yd3 per day) - Normal						
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck						
		Pick Up						
		Tractor/Loader/Backhoe						
	Phase 2 - Grading	Excavator						
		Generator/Compressor						
		Grader						
		Haul Truck/Flatbed						
		Loader						
		Pick Up						
		Tractor/Loader/Backhoe						
		Vibratory Roller						
		Water Truck						
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane						
		Concrete Pump Truck						
		Concrete Truck						
		Generator/Compressor						
		Pick Up						
		Rough Terrain Forklift						
		Rubber Tired Loader						
		Semi Truck/Flatbed						
	Phase 4 - Roadway Demolition	Excavator						
		Generator/Compressor						
		Haul Truck/Flatbed						
		Pick Up						
		Rubber Tired Loader						
		Tractor/Loader/Backhoe						
	Phase 5 - Stripping, Lighting and Signing	Boom Truck	1	1				
		Bucket Truck	2	2				
		Compressor/Generator	4	4				
		Paint truck	1	1				
		Pick Up	6	6				
		Semi Truck	1	1				
	Phase 6 - Drainage	Compressor/Generator						
		Haul Truck/Flatbed						
		Pick Up						
		Rubber Tired Loader						
		Tractor/Loader/Backhoe						
		Vibratory Roller						
		Water Truck						
	Worker Trips	Worker Trips - Calculated Total	26	26				
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep	25.2	25.2				
	Asphalt	Asphalt (acres per month)						
	Fugitive Dust	Fugitive Dust (acres per day) - Max	0.01	0.01				
		Fugitive Dust (acres per day) - Normal						
		Fugitive Dust (square footage per week) - Demo	3	3				
		Fugitive Dust (yd3 per day) - Normal						

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	Hours	HP	Load	TripLen	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck				50																		
		Pick Up				30																		
		Tractor/Loader/Backhoe	8	79	0.47																			
	Phase 2- Grading	Excavator	8	180	0.58																			
		Generator/Compressor	8	50	0.62																			
		Haul Truck/Flatbed				210																		
		Pick Up				60																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
		Vibratory Roller	8	114	0.43																			
		Water Truck				60																		
	Phase 3 - Sidewalk and Boulevard Reconstruc	200 ton Crane	8	190	0.43																			
		Concrete Pump Truck	8	190	0.62																			
		Concrete Truck				60																		
		Generator/Compressor	8	50	0.62																			
		Pick Up				45																		
		Rough Terrain Forklift	8	94	0.48																			
		Rubber Tired Loader	8	165	0.47																			
		Semi Truck/Flatbed				53																		
	Phase 4 - Roadway Demolition	Generator/Compressor	8	50	0.62																			
		Haul Truck/Flatbed				48																		
		Pick Up				30																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
	Phase 5 - Striping, Lighting, and Signing	Boom Truck				80																		
		Bucket Truck				40																		
		Generator/Compressor	8	50	0.62																			
		Paint truck				80																		
		Pick Up				15																		
		Semi Truck				70																		
	Phase 6 - Drainage	Generator/Compressor	8	50	0.62																			
		Haul Truck/Flatbed				43																		
		Pick Up				45																		
		Rubber Tired Loader	8	165	0.47																			
		Tractor/Loader/Backhoe	8	79	0.47																			
		Vibratory Roller	8	114	0.43																			
		Water Truck				30																		
	Worker Trips	Worker Trips - Calculated Total				20																		
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																						
	Asphalt	Asphalt (acres per month)																						
	Fugitive Dust	Fugitive Dust (acres per day) - Max																						
		Fugitive Dust (acres per day) - Normal																						
		Fugitive Dust (square footage per week) - Demo																						
		Fugitive Dust (yd3 per day) - Normal																						

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck														1	1					
		Pick Up														2	2					
		Tractor/Loader/Backhoe														1	1					
	Phase 2- Grading	Excavator																				
		Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - Sidewalk and Boulevard Reconstruc	200 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
		Rubber Tired Loader																				
		Semi Truck/Flatbed																				
	Phase 4 - Roadway Demolition	Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																				
		Bucket Truck																				
		Generator/Compressor																				
		Paint truck																				
		Pick Up																				
		Semi Truck																				
	Phase 6 - Drainage	Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Worker Trips	Worker Trips - Calculated Total														13	13					
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep														12.6	12.6					
	Asphalt	Asphalt (acres per month)																				
	Fugitive Dust	Fugitive Dust (acres per day) - Max																				
		Fugitive Dust (acres per day) - Normal																				
		Fugitive Dust (square footage per week) - Demo														10	10					
		Fugitive Dust (yd3 per day) - Normal																				

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																					
		Pick Up																					
		Tractor/Loader/Backhoe																					
	Phase 2- Grading	Excavator																					
		Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Phase 3 - Sidewalk and Boulevard Reconstruc	200 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
		Semi Truck/Flatbed																					
	Phase 4 - Roadway Demolition	Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																					
		Bucket Truck																					
		Generator/Compressor																					
		Paint truck																					
		Pick Up																					
		Semi Truck																					
	Phase 6 - Drainage	Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Worker Trips	Worker Trips - Calculated Total																					
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep																					
	Asphalt	Asphalt (acres per month)																					
	Fugitive Dust	Fugitive Dust (acres per day) - Max																					
		Fugitive Dust (acres per day) - Normal																					
		Fugitive Dust (square footage per week) - Demo																					
		Fugitive Dust (yd3 per day) - Normal																					

Carson Ramps
Construction Schedule
(Pieces of Equipment Used per Day)

Project	Phase	EquipmentName	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
	Phase 2- Grading	Excavator																				
		Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - Sidewalk and Boulevard Reconstruc	200 ton Crane																		1	1	1	1
		Concrete Pump Truck																		1	1	1	1
		Concrete Truck																		2	2	2	2
		Generator/Compressor																		6	6	6	6
		Pick Up																		2	2	2	2
		Rough Terrain Forklift																		2	2	2	2
		Rubber Tired Loader																		1	1	1	1
		Semi Truck/Flatbed																		3	3	3	3
	Phase 4 - Roadway Demolition	Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
	Phase 5 - Striping, Lighting, and Signing	Boom Truck															1	1	1	1	1	1	1
		Bucket Truck															2	2	2	2	2	2	2
		Generator/Compressor															4	4	4	4	4	4	4
		Paint truck															1	1	1	1	1	1	1
		Pick Up															4	4	4	4	4	4	4
		Semi Truck															1	1	1	1	1	1	1
	Phase 6 - Drainage	Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Worker Trips	Worker Trips - Calculated Total															26	26	26	52	52	52	52
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep															25.2	25.2	25.2	50.4	50.4	50.4	50.4
	Asphalt	Asphalt (acres per month)															0.01	0.01	0.01	3.01	3.01	3.01	3.01
	Fugitive Dust	Fugitive Dust (acres per day) - Max															0.01	0.01	0.01	0.01	0.01	0.01	0.01
		Fugitive Dust (acres per day) - Normal																		0.25	0.25	0.25	0.25
		Fugitive Dust (square footage per week) - Demo															10	10	10	10	10	10	10
		Fugitive Dust (yd3 per day) - Normal																		370	370	370	370

Project	Phase	EquipmentName	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck						
		Pick Up						
		Tractor/Loader/Backhoe						
	Phase 2- Grading	Excavator					1	1
		Generator/Compressor					2	2
		Haul Truck/Flatbed					2	2
		Pick Up					1	1
		Rubber Tired Loader					1	1
		Tractor/Loader/Backhoe					1	1
		Vibratory Roller					1	1
		Water Truck					1	1
	Phase 3 - Sidewalk and Boulevard Reconstruc	200 ton Crane	1	1				
		Concrete Pump Truck	1	1				
		Concrete Truck	2	2				
		Generator/Compressor	6	6				
		Pick Up	2	2				
		Rough Terrain Forklift	2	2				
		Rubber Tired Loader	1	1				
		Semi Truck/Flatbed	3	3				
	Phase 4 - Roadway Demolition	Generator/Compressor			4	4		
		Haul Truck/Flatbed			5	5		
		Pick Up			3	3		
		Rubber Tired Loader			2	2		
		Tractor/Loader/Backhoe			2	2		
	Phase 5 - Striping, Lighting, and Signing	Boom Truck	1	1				
		Bucket Truck	2	2				
		Generator/Compressor	4	4				
		Paint truck	1	1				
		Pick Up	4	4				
		Semi Truck	1	1				
	Phase 6 - Drainage	Generator/Compressor			4	4		
		Haul Truck/Flatbed			4	4		
		Pick Up			2	2		
		Rubber Tired Loader			1	1		
		Tractor/Loader/Backhoe			1	1		
		Vibratory Roller			1	1		
		Water Truck			1	1		
	Worker Trips	Worker Trips - Calculated Total	52	52	51	51	34	34
	Worker Trips (Phase 1 and 2) - Site Prep	Worker Trips (Phase 1 and 2) - Site Prep	50.4	50.4	50.4	50.4	33.6	33.6
	Asphalt	Asphalt (acres per month)	3.01	3.01	2	2	3	3
	Fugitive Dust	Fugitive Dust (acres per day) - Max	0.01	0.01	0.1	0.1	0.5	0.5
		Fugitive Dust (acres per day) - Normal	0.25	0.25				
		Fugitive Dust (square footage per week) - Demo	10	10	12	12		
		Fugitive Dust (yd3 per day) - Normal	370	370				

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck	1.0	1.0	1.0	1.0	1.0													
		Pick Up Truck	1.9	1.9	1.9	1.9	1.9													
		Tractor/Loader/Backhoe	14.9	14.9	14.9	14.9	14.9													
	Phase 2 - Site Preparation / Grading	Excavator/Grader						31.3	31.3	31.3	31.3									
		Flatbed/Haulers (Truck)						2.1	2.1	2.1	2.1									
		Generator/Compressor						16.8	16.8	16.8	16.8									
		Pick Up						1.9	1.9	1.9	1.9									
		Rubber Tired Loader						23.0	23.0	23.0	23.0									
		Tractor/Loader/Backhoe						14.9	14.9	14.9	14.9									
		Vibratory Roller						14.7	14.7	14.7	14.7									
		Water Truck						1.9	1.9	1.9	1.9									
	Phase 3 - Footing Construction	200 ton Crane										12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
		Concrete Pump Truck										15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
		Concrete Truck										1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
		Generator/Compressor										16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
		Haul Truck										1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
		Pick Up										2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		Tractor/Loader/Backhoe										9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
		Water Truck										0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	Phase 4 - Column Construction	140 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed																		
		Generator/Compressor																		
		Pick Up																		
	Phase 5 - Falsework	Boom																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Scissor Lift																		
	Phase 6 - Superstructure	275 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																		
		Bucket Truck																		
		Generator/Compressor																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 10 - Drainage	Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total	6.1	6.1	6.1	6.1	6.1	16.0	16.0	16.0	16.0	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck Pick-Up Tractor/Loader/Backhoe																		
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																		
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi-truck/Flatbed																		
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick-Up Rubber Tired Loader Tractor/Loader/Backhoe																		
	Worker Trips	Worker Trips - Calculated Total																		
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																		
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Loader Pick Up Tractor/Loader/Backhoe Vibratory Roller Water Truck																		
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																		
	Phase 5 - Stripping, Lighting and Signing	Boom Truck Bucket Truck Compressor/Generator Paint truck Pick Up Semi Truck																		
	Phase 6 - Drainage	Compressor/Generator Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																		
	Worker Trips	Worker Trips - Calculated Total																		

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																		
	Phase 2- Grading	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																		
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																		
	Phase 5 - Striping, Lighting, and Signing	Boom Truck Bucket Truck Generator/Compressor Paint truck Pick Up Semi Truck																		
	Phase 6 - Drainage	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																		
	Worker Trips	Worker Trips - Calculated Total																		

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																		
		Pick Up Truck																		
		Tractor/Loader/Backhoe																		
	Phase 2 - Site Preparation / Grading	Excavator/Grader																		
		Flatbed/Haulers (Truck)																		
		Generator/Compressor																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - Footing Construction	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Haul Truck																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
		Water Truck																		
	Phase 4 - Column Construction	140 ton Crane	9.2	9.2	9.2	9.2	9.2	9.2												
		Concrete Pump Truck	8.0	8.0	8.0	8.0	8.0	8.0												
		Concrete Truck	1.2	1.2	1.2	1.2	1.2	1.2												
		Flatbed	0.8	0.8	0.8	0.8	0.8	0.8												
		Generator/Compressor	33.5	33.5	33.5	33.5	33.5	33.5												
		Pick Up	2.6	2.6	2.6	2.6	2.6	2.6												
	Phase 5 - Falsework	Boom					15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9					
		Flatbed/Semi Truck					1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5					
		Generator/Compressor					33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5					
		Pick Up					2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6					
		Rough Terrain Forklift					13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4					
		Rubber Tired Loader					11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5					
		Scissor Lift					13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4					
	Phase 6 - Superstructure	275 ton Crane							12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
		Concrete Pump Truck							31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
		Concrete Truck							1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
		Flatbed/Semi Truck							1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
		Generator/Compressor							33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
		Pick Up							2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
		Rough Terrain Forklift							13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																		
		Bucket Truck																		
		Generator/Compressor																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 10 - Drainage	Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total	19.8	19.8	19.8	19.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	19.8	19.8	19.8	19.8	19.8

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																		
		Pick-Up																		
		Tractor/Loader/Backhoe																		
	Phase 2 - Grading	Excavator																		
		Generator/Compressor																		
		Grader																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Semi-truck/Flatbed																		
	Phase 4 - Roadway Demolition	Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick-Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
	Worker Trips	Worker Trips - Calculated Total																		
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
	Phase 2 - Grading	Excavator																		
		Generator/Compressor																		
		Grader																		
		Haul Truck/Flatbed																		
		Loader																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Excavator																		
		Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																		
		Bucket Truck																		
		Compressor/Generator																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 6 - Drainage	Compressor/Generator																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total																		

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck														0.5	0.5			
		Pick Up														1.9	1.9			
		Tractor/Loader/Backhoe														5.0	5.0			
	Phase 2- Grading	Excavator																		
		Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																		
		Bucket Truck																		
		Generator/Compressor																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 6 - Drainage	Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total														6.1	6.1			

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																		
		Pick Up Truck																		
		Tractor/Loader/Backhoe																		
	Phase 2 - Site Preparation / Grading	Excavator/Grader																		
		Flatbed/Haulers (Truck)																		
		Generator/Compressor																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - Footing Construction	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Haul Truck																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
		Water Truck																		
	Phase 4 - Column Construction	140 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed																		
		Generator/Compressor																		
		Pick Up																		
	Phase 5 - Falsework	Boom																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Scissor Lift																		
	Phase 6 - Superstructure	275 ton Crane	12.2	12.2																
		Concrete Pump Truck	33.0	33.0																
		Concrete Truck	1.1	1.1																
		Flatbed/Semi Truck	1.4	1.4																
		Generator/Compressor	34.8	34.8																
		Pick Up	2.3	2.3																
		Rough Terrain Forklift	13.4	13.4																
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane			12.2	12.2	12.2	12.2	12.2	12.2										
		Concrete Pump Truck			16.5	16.5	16.5	16.5	16.5	16.5										
		Concrete Truck			1.1	1.1	1.1	1.1	1.1	1.1										
		Flatbed/Semi Truck			1.4	1.4	1.4	1.4	1.4	1.4										
		Generator/Compressor			26.1	26.1	26.1	26.1	26.1	26.1										
		Pick Up			2.3	2.3	2.3	2.3	2.3	2.3										
		Rough Terrain Forklift			13.4	13.4	13.4	13.4	13.4	13.4										
		Rubber Tired Loader			11.5	11.5	11.5	11.5	11.5	11.5										
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																		
		Bucket Truck																		
		Generator/Compressor																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 10 - Drainage	Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total	18.2	18.2	11.3	11.3	11.3	11.3	11.3	11.3										

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck									0.9	0.9	0.9	0.9						
		Pick-Up									1.7	1.7	1.7	1.7						
		Tractor/Loader/Backhoe									15.5	15.5	15.5	15.5						
	Phase 2 - Grading	Excavator													15.7	15.7	15.7	15.7		
		Generator/Compressor													17.4	17.4	17.4	17.4		
		Grader													15.0	15.0	15.0	15.0		
		Haul Truck/Flatbed													2.0	2.0	2.0	2.0		
		Pick Up													1.7	1.7	1.7	1.7		
		Rubber Tired Loader													23.0	23.0	23.0	23.0		
		Tractor/Loader/Backhoe													15.5	15.5	15.5	15.5		
		Vibratory Roller													14.7	14.7	14.7	14.7		
		Water Truck													0.6	0.6	0.6	0.6		
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane																	12.2	12.2
		Concrete Pump Truck																	16.5	16.5
		Concrete Truck																	1.1	1.1
		Generator/Compressor																	26.1	26.1
		Pick Up																	2.6	2.6
		Rough Terrain Forklift																	13.4	13.4
		Rubber Tired Loader																	11.5	11.5
		Semi-truck/Flatbed																	1.5	1.5
	Phase 4 - Roadway Demolition	Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick-Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
	Worker Trips	Worker Trips - Calculated Total									5.6	5.6	5.6	5.6	14.8	14.8	14.8	14.8	11.3	11.3
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
	Phase 2 - Grading	Excavator																		
		Generator/Compressor																		
		Grader																		
		Haul Truck/Flatbed																		
		Loader																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Excavator																		
		Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																		
		Bucket Truck																		
		Compressor/Generator																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 6 - Drainage	Compressor/Generator																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total																		

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																		
	Phase 2- Grading	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																		
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																		
	Phase 5 - Striping, Lighting, and Signing	Boom Truck Bucket Truck Generator/Compressor Paint truck Pick Up Semi Truck																		
	Phase 6 - Drainage	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																		
	Worker Trips	Worker Trips - Calculated Total																		

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																		
		Pick Up Truck																		
		Tractor/Loader/Backhoe																		
	Phase 2 - Site Preparation / Grading	Excavator/Grader																		
		Flatbed/Haulers (Truck)																		
		Generator/Compressor																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - Footing Construction	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Haul Truck																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
		Water Truck																		
	Phase 4 - Column Construction	140 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed																		
		Generator/Compressor																		
		Pick Up																		
	Phase 5 - Falsework	Boom																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Scissor Lift																		
	Phase 6 - Superstructure	275 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Flatbed/Semi Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck								0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
		Bucket Truck								0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6		
		Generator/Compressor								17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4		
		Paint truck								0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4		
		Pick Up								2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		
		Semi Truck								0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7		
	Phase 10 - Drainage	Haul Truck/Flatbed		1.8	1.8	1.8	1.8	1.8												
		Pick Up		1.7	1.7	1.7	1.7	1.7												
		Rubber Tired Loader		11.5	11.5	11.5	11.5	11.5												
		Tractor/Loader/Backhoe		20.6	10.3	10.3	10.3	10.3												
		Vibratory Roller		14.7	14.7	14.7	14.7	14.7												
		Water Truck		0.3	0.3	0.3	0.3	0.3												
	Worker Trips	Worker Trips - Calculated Total																		

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																		
		Pick-Up																		
		Tractor/Loader/Backhoe																		
	Phase 2 - Grading	Excavator																		
		Generator/Compressor																		
		Grader																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane	12.2	12.2	12.2	12.2														
		Concrete Pump Truck	16.5	16.5	16.5	16.5														
		Concrete Truck	1.1	1.1	1.1	1.1														
		Generator/Compressor	26.1	26.1	26.1	26.1														
		Pick Up	2.6	2.6	2.6	2.6														
		Rough Terrain Forklift	13.4	13.4	13.4	13.4														
		Rubber Tired Loader	11.5	11.5	11.5	11.5														
		Semi-truck/Flatbed	1.5	1.5	1.5	1.5														
	Phase 4 - Roadway Demolition	Generator/Compressor			26.1	26.1	26.1	26.1	26.1											
		Haul Truck/Flatbed			2.3	2.3	2.3	2.3	2.3											
		Pick-Up			2.6	2.6	2.6	2.6	2.6											
		Rubber Tired Loader			23.0	23.0	23.0	23.0	23.0											
		Tractor/Loader/Backhoe			15.5	15.5	15.5	15.5	15.5											
	Worker Trips	Worker Trips - Calculated Total	11.3	11.3	33.0	33.0	22.1	22.1	22.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3		
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck													0.9	0.9	0.9	0.9		
		Pick Up													1.7	1.7	1.7	1.7		
		Tractor/Loader/Backhoe													10.3	10.3	10.3	10.3		
	Phase 2 - Grading	Excavator																	15.7	15.7
		Generator/Compressor																	17.4	17.4
		Grader																	15.0	15.0
		Haul Truck/Flatbed																	2.0	2.0
		Loader																	23.0	23.0
		Pick Up																	1.7	1.7
		Tractor/Loader/Backhoe																	15.5	15.5
		Vibratory Roller																	14.7	14.7
		Water Truck																	0.6	0.6
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Excavator																		
		Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																		
		Bucket Truck																		
		Compressor/Generator																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 6 - Drainage	Compressor/Generator																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total													5.6	5.6	5.6	5.6	14.8	14.8

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																		
		Pick Up																		
		Tractor/Loader/Backhoe																		
	Phase 2- Grading	Excavator																		
		Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																		
		Concrete Pump Truck																		
		Concrete Truck																		
		Generator/Compressor																		
		Pick Up																		
		Rough Terrain Forklift																		
		Rubber Tired Loader																		
		Semi Truck/Flatbed																		
	Phase 4 - Roadway Demolition	Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																		
		Bucket Truck																		
		Generator/Compressor																		
		Paint truck																		
		Pick Up																		
		Semi Truck																		
	Phase 6 - Drainage	Generator/Compressor																		
		Haul Truck/Flatbed																		
		Pick Up																		
		Rubber Tired Loader																		
		Tractor/Loader/Backhoe																		
		Vibratory Roller																		
		Water Truck																		
	Worker Trips	Worker Trips - Calculated Total																		

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																**1.0**
		Pick Up Truck																**1.9**
		Tractor/Loader/Backhoe																**14.9**
	Phase 2 - Site Preparation / Grading	Excavator/Grader																**31.3**
		Flatbed/Haulers (Truck)																**2.1**
		Generator/Compressor																**16.8**
		Pick Up																**1.9**
		Rubber Tired Loader																**23.0**
		Tractor/Loader/Backhoe																**14.9**
		Vibratory Roller																**14.7**
		Water Truck																**1.9**
	Phase 3 - Footing Construction	200 ton Crane																**12.2**
		Concrete Pump Truck																**15.9**
		Concrete Truck																**1.2**
		Generator/Compressor																**16.8**
		Haul Truck																**1.2**
		Pick Up																**2.6**
		Tractor/Loader/Backhoe																**9.9**
		Water Truck																**0.6**
	Phase 4 - Column Construction	140 ton Crane																**9.2**
		Concrete Pump Truck																**8.0**
		Concrete Truck																**1.2**
		Flatbed																**0.8**
		Generator/Compressor																**33.5**
		Pick Up																**2.6**
	Phase 5 - Falsework	Boom																**15.9**
		Flatbed/Semi Truck																**1.5**
		Generator/Compressor																**33.5**
		Pick Up																**2.6**
		Rough Terrain Forklift																**13.4**
		Rubber Tired Loader																**11.5**
		Scissor Lift																**13.4**
	Phase 6 - Superstructure	275 ton Crane																**12.2**
		Concrete Pump Truck																**33.0**
		Concrete Truck																**1.2**
		Flatbed/Semi Truck																**1.5**
		Generator/Compressor																**34.8**
		Pick Up																**2.6**
		Rough Terrain Forklift																**13.4**
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																**12.2**
		Concrete Pump Truck																**16.5**
		Concrete Truck																**1.1**
		Flatbed/Semi Truck																**1.4**
		Generator/Compressor																**26.1**
		Pick Up																**2.3**
		Rough Terrain Forklift																**13.4**
		Rubber Tired Loader																**11.5**
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																**0.6**
		Bucket Truck																**0.6**
		Generator/Compressor																**17.4**
		Paint truck																**0.4**
		Pick Up																**2.6**
		Semi Truck																**0.7**
	Phase 10 - Drainage	Haul Truck/Flatbed																**1.8**
		Pick Up																**1.7**
		Rubber Tired Loader																**11.5**
		Tractor/Loader/Backhoe																**20.6**
		Vibratory Roller																**14.7**
		Water Truck																**0.3**
	Worker Trips	Worker Trips - Calculated Total																**34.0**

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																**0.9**
		Pick-Up																**1.7**
		Tractor/Loader/Backhoe																**15.5**
	Phase 2 - Grading	Excavator																**15.7**
		Generator/Compressor																**17.4**
		Grader																**15.0**
		Haul Truck/Flatbed																**2.0**
		Pick Up																**1.7**
		Rubber Tired Loader																**23.0**
		Tractor/Loader/Backhoe																**15.5**
		Vibratory Roller																**14.7**
		Water Truck																**0.6**
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane																**12.2**
		Concrete Pump Truck																**16.5**
		Concrete Truck																**1.1**
		Generator/Compressor																**26.1**
		Pick Up																**2.6**
		Rough Terrain Forklift																**13.4**
		Rubber Tired Loader																**11.5**
		Semi-truck/Flatbed																**1.5**
	Phase 4 - Roadway Demolition	Generator/Compressor																**26.1**
		Haul Truck/Flatbed																**2.3**
		Pick-Up																**2.6**
		Rubber Tired Loader																**23.0**
		Tractor/Loader/Backhoe																**15.5**
	Worker Trips	Worker Trips - Calculated Total																**33.0**
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																**0.9**
		Pick Up																**1.7**
		Tractor/Loader/Backhoe																**10.3**
	Phase 2 - Grading	Excavator	15.7															**15.7**
		Generator/Compressor	17.4															**17.4**
		Grader	15.0															**15.0**
		Haul Truck/Flatbed	2.0															**2.0**
		Loader	23.0															**23.0**
		Pick Up	1.7															**1.7**
		Tractor/Loader/Backhoe	15.5															**15.5**
		Vibratory Roller	14.7															**14.7**
		Water Truck	0.6															**0.6**
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane		12.2	12.2	12.2	12.2	12.2	12.2									**12.2**
		Concrete Pump Truck		16.5	16.5	16.5	16.5	17.1	17.1									**17.1**
		Concrete Truck		1.1	1.1	1.1	1.1	1.0	1.0									**1.1**
		Generator/Compressor		26.1	26.1	26.1	26.1	27.0	27.0									**27.0**
		Pick Up		2.6	2.6	2.6	2.6	2.4	2.4									**2.6**
		Rough Terrain Forklift		13.4	13.4	13.4	13.4	13.4	13.4									**13.4**
		Rubber Tired Loader		11.5	11.5	11.5	11.5	11.5	11.5									**11.5**
		Semi Truck/Flatbed		1.5	1.5	1.5	1.5	1.4	1.4									**1.5**
	Phase 4 - Roadway Demolition	Excavator		15.7	15.7													**15.7**
		Generator/Compressor		26.1	26.1													**26.1**
		Haul Truck/Flatbed		2.3	2.3													**2.3**
		Pick Up		2.6	2.6													**2.6**
		Rubber Tired Loader		23.0	11.5													**23.0**
		Tractor/Loader/Backhoe		10.3	10.3													**10.3**
	Phase 5 - Stripping, Lighting and Signing	Boom Truck					0.8	0.7	0.7	0.7	0.7	0.7	0.7					**0.8**
		Bucket Truck					0.8	0.7	0.7	0.7	0.7	0.7	0.7					**0.8**
		Compressor/Generator					17.4	18.0	18.0	18.0	18.0	18.0	18.0					**18.0**
		Paint truck					0.8	0.7	0.7	0.7	0.7	0.7	0.7					**0.8**
		Pick Up					2.6	2.4	2.4	2.4	2.4	2.4	2.4					**2.6**
		Semi Truck					0.7	0.6	0.6	0.6	0.6	0.6	0.6					**0.7**
	Phase 6 - Drainage	Compressor/Generator			17.4	17.4	17.4	18.0										**18.0**
		Haul Truck/Flatbed			1.6	1.6	1.6	1.5										**1.6**
		Pick Up			2.6	2.6	2.6	2.4										**2.6**
		Rubber Tired Loader			11.5	11.5	11.5	11.5										**11.5**
		Tractor/Loader/Backhoe			10.3	10.3	10.3	10.7										**10.7**
		Vibratory Roller			14.7	14.7	14.7	14.7										**14.7**
		Water Truck			0.3	0.3	0.3	0.3										**0.3**
	Worker Trips	Worker Trips - Calculated Total	14.8	11.3	18.7	22.1	33.0	30.3	23.9	10.4	10.4	10.4	10.4					**33.0**

Carson Ramp Improvements
Construction CO Emissions
(lbs/day)

Project	Phase	Equipment Name	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																**0.5**
		Pick Up																**1.9**
		Tractor/Loader/Backhoe																**5.0**
	Phase 2- Grading	Excavator														15.7	15.7	**15.7**
		Generator/Compressor														9.0	9.0	**9.0**
		Haul Truck/Flatbed														3.6	3.6	**3.6**
		Pick Up														1.6	1.6	**1.6**
		Rubber Tired Loader														11.5	11.5	**11.5**
		Tractor/Loader/Backhoe														5.3	5.3	**5.3**
		Vibratory Roller														7.3	7.3	**7.3**
		Water Truck														0.5	0.5	**0.5**
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane						12.2	12.2	12.2	12.2	12.2	12.2					**12.2**
		Concrete Pump Truck						17.1	17.1	17.1	17.1	17.1	17.1					**17.1**
		Concrete Truck						1.0	1.0	1.0	1.0	1.0	1.0					**1.0**
		Generator/Compressor						27.0	27.0	27.0	27.0	27.0	27.0					**27.0**
		Pick Up						2.4	2.4	2.4	2.4	2.4	2.4					**2.4**
		Rough Terrain Forklift						13.4	13.4	13.4	13.4	13.4	13.4					**13.4**
		Rubber Tired Loader						11.5	11.5	11.5	11.5	11.5	11.5					**11.5**
		Semi Truck/Flatbed						1.4	1.4	1.4	1.4	1.4	1.4					**1.4**
	Phase 4 - Roadway Demolition	Generator/Compressor												18.0	18.0			**18.0**
		Haul Truck/Flatbed												2.1	2.1			**2.1**
		Pick Up												2.4	2.4			**2.4**
		Rubber Tired Loader												23.0	23.0			**23.0**
		Tractor/Loader/Backhoe												10.7	10.7			**10.7**
	Phase 5 - Striping, Lighting, and Signing	Boom Truck			0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7					**0.8**
		Bucket Truck			0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7					**0.8**
		Generator/Compressor			17.4	17.4	17.4	18.0	18.0	18.0	18.0	18.0	18.0					**18.0**
		Paint truck			0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7					**0.8**
		Pick Up			1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6					**1.7**
		Semi Truck			0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6					**0.7**
	Phase 6 - Drainage	Generator/Compressor												18.0	18.0			**18.0**
		Haul Truck/Flatbed												1.5	1.5			**1.5**
		Pick Up												2.4	2.4			**2.4**
		Rubber Tired Loader												11.5	11.5			**11.5**
		Tractor/Loader/Backhoe												5.3	5.3			**5.3**
		Vibratory Roller												7.3	7.3			**7.3**
		Water Truck												0.3	0.3			**0.3**
	Worker Trips	Worker Trips - Calculated Total			11.3	11.3	11.3	20.7	20.7	20.7	20.7	20.7	20.7	20.3	20.3	13.5	13.5	**20.7**

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck	6.5	6.5	6.5	6.5	6.5														
		Pick Up Truck	2.8	2.8	2.8	2.8	2.8														
		Tractor/Loader/Backhoe	14.1	14.1	14.1	14.1	14.1														
	Phase 2 - Site Preparation / Grading	Excavator/Grader						21.4	21.4	21.4	21.4										
		Flatbed/Haulers (Truck)						13.6	13.6	13.6	13.6										
		Generator/Compressor						15.9	15.9	15.9	15.9										
		Pick Up						2.8	2.8	2.8	2.8										
		Rubber Tired Loader						15.7	15.7	15.7	15.7										
		Tractor/Loader/Backhoe						14.1	14.1	14.1	14.1										
		Vibratory Roller						10.0	10.0	10.0	10.0										
		Water Truck						2.8	2.8	2.8	2.8										
	Phase 3 - Footing Construction	200 ton Crane										8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	
		Concrete Pump Truck										15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	
		Concrete Truck										7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	
		Generator/Compressor										15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	
		Haul Truck										7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	
		Pick Up										3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
		Tractor/Loader/Backhoe										9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	
		Water Truck										3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	
	Phase 4 - Column Construction	140 ton Crane																			6.4
		Concrete Pump Truck																			7.5
		Concrete Truck																			7.8
		Flatbed																			5.2
		Generator/Compressor																			31.8
		Pick Up																			3.7
	Phase 5 - Falsework	Boom																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Scissor Lift																			
	Phase 6 - Superstructure	275 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																			
		Bucket Truck																			
		Generator/Compressor																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 10 - Drainage	Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Worker Trips	Worker Trips - Calculated Total	0.6	0.6	0.6	0.6	0.6	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																			
		Pick Up Truck																			
		Tractor/Loader/Backhoe																			
	Phase 2 - Site Preparation / Grading	Excavator/Grader																			
		Flatbed/Haulers (Truck)																			
		Generator/Compressor																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Footing Construction	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Haul Truck																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
		Water Truck																			
	Phase 4 - Column Construction	140 ton Crane	6.4	6.4	6.4	6.4	6.4														
		Concrete Pump Truck	7.5	7.5	7.5	7.5	7.5														
		Concrete Truck	7.8	7.8	7.8	7.8	7.8														
		Flatbed	5.2	5.2	5.2	5.2	5.2														
		Generator/Compressor	31.8	31.8	31.8	31.8	31.8														
		Pick Up	3.7	3.7	3.7	3.7	3.7														
	Phase 5 - Falsework	Boom				15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1							
		Flatbed/Semi Truck				9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7							
		Generator/Compressor				31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8							
		Pick Up				3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7							
		Rough Terrain Forklift				9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1							
		Rubber Tired Loader				7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8							
		Scissor Lift				9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1							
	Phase 6 - Superstructure	275 ton Crane						8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4
		Concrete Pump Truck						30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	28.6	28.6
		Concrete Truck						7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.1	7.1
		Flatbed/Semi Truck						9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	8.8	8.8
		Generator/Compressor						31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	30.1	30.1
		Pick Up						3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.4	3.4
		Rough Terrain Forklift						9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																			
		Bucket Truck																			
		Generator/Compressor																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 10 - Drainage	Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Worker Trips	Worker Trips - Calculated Total	2.1	2.1	2.1	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.1	2.1	2.1	2.1	2.1	1.9	1.9

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																			
		Pick Up Truck																			
		Tractor/Loader/Backhoe																			
	Phase 2 - Site Preparation / Grading	Excavator/Grader																			
		Flatbed/Haulers (Truck)																			
		Generator/Compressor																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Footing Construction	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Haul Truck																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
		Water Truck																			
	Phase 4 - Column Construction	140 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed																			
		Generator/Compressor																			
		Pick Up																			
	Phase 5 - Falsework	Boom																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Scissor Lift																			
	Phase 6 - Superstructure	275 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane	8.4	8.4	8.4	8.4	8.4	8.4													
		Concrete Pump Truck	14.3	14.3	14.3	14.3	14.3	14.3													
		Concrete Truck	7.1	7.1	7.1	7.1	7.1	7.1													
		Flatbed/Semi Truck	8.8	8.8	8.8	8.8	8.8	8.8													
		Generator/Compressor	22.6	22.6	22.6	22.6	22.6	22.6													
		Pick Up	3.4	3.4	3.4	3.4	3.4	3.4													
		Rough Terrain Forklift	9.1	9.1	9.1	9.1	9.1	9.1													
		Rubber Tired Loader	7.8	7.8	7.8	7.8	7.8	7.8													
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																			
		Bucket Truck																			
		Generator/Compressor																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 10 - Drainage	Haul Truck/Flatbed																			11.2
		Pick Up																			2.6
		Rubber Tired Loader																			7.8
		Tractor/Loader/Backhoe																			17.8
		Vibratory Roller																			10.0
		Water Truck																			1.8
	Worker Trips	Worker Trips - Calculated Total	1.2	1.2	1.2	1.2	1.2	1.2													

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																			
		Pick Up Truck																			
		Tractor/Loader/Backhoe																			
	Phase 2 - Site Preparation / Grading	Excavator/Grader																			
		Flatbed/Haulers (Truck)																			
		Generator/Compressor																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Footing Construction	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Haul Truck																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
		Water Truck																			
	Phase 4 - Column Construction	140 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed																			
		Generator/Compressor																			
		Pick Up																			
	Phase 5 - Falsework	Boom																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Scissor Lift																			
	Phase 6 - Superstructure	275 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Flatbed/Semi Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck						4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0					
		Bucket Truck						4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0					
		Generator/Compressor						15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0					
		Paint truck						2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4					
		Pick Up						3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9					
		Semi Truck						4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1					
	Phase 10 - Drainage	Haul Truck/Flatbed	11.2	11.2	11.2	11.2															
		Pick Up	2.6	2.6	2.6	2.6															
		Rubber Tired Loader	7.8	7.8	7.8	7.8															
		Tractor/Loader/Backhoe	8.9	8.9	8.9	8.9															
		Vibratory Roller	10.0	10.0	10.0	10.0															
		Water Truck	1.8	1.8	1.8	1.8															
	Worker Trips	Worker Trips - Calculated Total																			

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck												**6.5**
		Pick Up Truck												**2.8**
		Tractor/Loader/Backhoe												**14.1**
	Phase 2 - Site Preparation / Grading	Excavator/Grader												**21.4**
		Flatbed/Haulers (Truck)												**13.6**
		Generator/Compressor												**15.9**
		Pick Up												**2.8**
		Rubber Tired Loader												**15.7**
		Tractor/Loader/Backhoe												**14.1**
		Vibratory Roller												**10.0**
		Water Truck												**2.8**
	Phase 3 - Footing Construction	200 ton Crane												**8.5**
		Concrete Pump Truck												**15.1**
		Concrete Truck												**7.8**
		Generator/Compressor												**15.9**
		Haul Truck												**7.8**
		Pick Up												**3.7**
		Tractor/Loader/Backhoe												**9.4**
		Water Truck												**3.9**
	Phase 4 - Column Construction	140 ton Crane												**6.4**
		Concrete Pump Truck												**7.5**
		Concrete Truck												**7.8**
		Flatbed												**5.2**
		Generator/Compressor												**31.8**
		Pick Up												**3.7**
	Phase 5 - Falsework	Boom												**15.1**
		Flatbed/Semi Truck												**9.7**
		Generator/Compressor												**31.8**
		Pick Up												**3.7**
		Rough Terrain Forklift												**9.1**
		Rubber Tired Loader												**7.8**
		Scissor Lift												**9.1**
	Phase 6 - Superstructure	275 ton Crane												**8.5**
		Concrete Pump Truck												**30.2**
		Concrete Truck												**7.8**
		Flatbed/Semi Truck												**9.7**
		Generator/Compressor												**31.8**
		Pick Up												**3.7**
		Rough Terrain Forklift												**9.1**
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane												**8.4**
		Concrete Pump Truck												**14.3**
		Concrete Truck												**7.1**
		Flatbed/Semi Truck												**8.8**
		Generator/Compressor												**22.6**
		Pick Up												**3.4**
		Rough Terrain Forklift												**9.1**
		Rubber Tired Loader												**7.8**
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck												**4.0**
		Bucket Truck												**4.0**
		Generator/Compressor												**15.0**
		Paint truck												**2.4**
		Pick Up												**3.9**
		Semi Truck												**4.1**
	Phase 10 - Drainage	Haul Truck/Flatbed												**11.2**
		Pick Up												**2.6**
		Rubber Tired Loader												**7.8**
		Tractor/Loader/Backhoe												**17.8**
		Vibratory Roller												**10.0**
		Water Truck												**1.8**
	Worker Trips	Worker Trips - Calculated Total												**3.6**

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck Pick-Up Tractor/Loader/Backhoe																			
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																			
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi-truck/Flatbed																			
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick-Up Rubber Tired Loader Tractor/Loader/Backhoe																			
	Worker Trips	Worker Trips - Calculated Total																			
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																			
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Loader Pick Up Tractor/Loader/Backhoe Vibratory Roller Water Truck																			
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																			
	Phase 4 - Roadway Demolition	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																			
	Phase 5 - Stripping, Lighting and Signing	Boom Truck Bucket Truck Compressor/Generator Paint truck Pick Up Semi Truck																			
	Phase 6 - Drainage	Compressor/Generator Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																			
	Worker Trips	Worker Trips - Calculated Total																			

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																			
		Pick-Up																			
		Tractor/Loader/Backhoe																			
	Phase 2 - Grading	Excavator																			
		Generator/Compressor																			
		Grader																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Semi-truck/Flatbed																			
	Phase 4 - Roadway Demolition	Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick-Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
	Worker Trips	Worker Trips - Calculated Total																			
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
	Phase 2 - Grading	Excavator																			
		Generator/Compressor																			
		Grader																			
		Haul Truck/Flatbed																			
		Loader																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Semi Truck/Flatbed																			
	Phase 4 - Roadway Demolition	Excavator																			
		Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																			
		Bucket Truck																			
		Compressor/Generator																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 6 - Drainage	Compressor/Generator																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Worker Trips	Worker Trips - Calculated Total																			

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck							5.9	5.9	5.9	5.9									
		Pick-Up							2.6	2.6	2.6	2.6									
		Tractor/Loader/Backhoe							13.4	13.4	13.4	13.4									
	Phase 2 - Grading	Excavator											10.7	10.7	10.7	10.7					
		Generator/Compressor											15.0	15.0	15.0	15.0					
		Grader											10.4	10.4	10.4	10.4					
		Haul Truck/Flatbed											12.4	12.4	12.4	12.4					
		Pick Up											2.6	2.6	2.6	2.6					
		Rubber Tired Loader											15.7	15.7	15.7	15.7					
		Tractor/Loader/Backhoe											13.4	13.4	13.4	13.4					
		Vibratory Roller											10.0	10.0	10.0	10.0					
		Water Truck											3.5	3.5	3.5	3.5					
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane															8.4	8.4	8.4	8.4	8.4
		Concrete Pump Truck															14.3	14.3	14.3	14.3	14.3
		Concrete Truck															7.1	7.1	7.1	7.1	7.1
		Generator/Compressor															22.6	22.6	22.6	22.6	22.6
		Pick Up															3.9	3.9	3.9	3.9	3.9
		Rough Terrain Forklift															9.1	9.1	9.1	9.1	9.1
		Rubber Tired Loader															7.8	7.8	7.8	7.8	7.8
		Semi-truck/Flatbed															9.4	9.4	9.4	9.4	9.4
	Phase 4 - Roadway Demolition	Generator/Compressor																			22.6
		Haul Truck/Flatbed																			14.1
		Pick-Up																			3.9
		Rubber Tired Loader																			15.7
		Tractor/Loader/Backhoe																			13.4
	Worker Trips	Worker Trips - Calculated Total							0.6	0.6	0.6	0.6	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2	3.5
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
	Phase 2 - Grading	Excavator																			
		Generator/Compressor																			
		Grader																			
		Haul Truck/Flatbed																			
		Loader																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Semi Truck/Flatbed																			
	Phase 4 - Roadway Demolition	Excavator																			
		Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																			
		Bucket Truck																			
		Compressor/Generator																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 6 - Drainage	Compressor/Generator																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Worker Trips	Worker Trips - Calculated Total																			

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																			
		Pick-Up																			
		Tractor/Loader/Backhoe																			
	Phase 2 - Grading	Excavator																			
		Generator/Compressor																			
		Grader																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane	8.4																		
		Concrete Pump Truck	14.3																		
		Concrete Truck	7.1																		
		Generator/Compressor	22.6																		
		Pick Up	3.9																		
		Rough Terrain Forklift	9.1																		
		Rubber Tired Loader	7.8																		
		Semi-truck/Flatbed	9.4																		
	Phase 4 - Roadway Demolition	Generator/Compressor	22.6	22.6	22.6	22.6															
		Haul Truck/Flatbed	14.1	14.1	14.1	14.1															
		Pick-Up	3.9	3.9	3.9	3.9															
		Rubber Tired Loader	15.7	15.7	15.7	15.7															
		Tractor/Loader/Backhoe	13.4	13.4	13.4	13.4															
	Worker Trips	Worker Trips - Calculated Total	3.5	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2						
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck										5.9	5.9	5.9	5.9						
		Pick Up										2.6	2.6	2.6	2.6						
		Tractor/Loader/Backhoe										8.9	8.9	8.9	8.9						
	Phase 2 - Grading	Excavator														10.7	10.7	10.7			
		Generator/Compressor														15.0	15.0	15.0			
		Grader														10.4	10.4	10.4			
		Haul Truck/Flatbed														12.4	12.4	12.4			
		Loader														15.7	15.7	15.7			
		Pick Up														2.6	2.6	2.6			
		Tractor/Loader/Backhoe														13.4	13.4	13.4			
		Vibratory Roller														10.0	10.0	10.0			
		Water Truck														3.5	3.5	3.5			
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																	8.4	8.4	8.4
		Concrete Pump Truck																	14.3	14.3	14.3
		Concrete Truck																	7.1	7.1	7.1
		Generator/Compressor																	22.6	22.6	22.6
		Pick Up																	3.9	3.9	3.9
		Rough Terrain Forklift																	9.1	9.1	9.1
		Rubber Tired Loader																	7.8	7.8	7.8
		Semi Truck/Flatbed																	9.4	9.4	9.4
	Phase 4 - Roadway Demolition	Excavator																	10.7	10.7	
		Generator/Compressor																	22.6	22.6	
		Haul Truck/Flatbed																	14.1	14.1	
		Pick Up																	3.9	3.9	
		Rubber Tired Loader																	15.7	7.8	
		Tractor/Loader/Backhoe																	8.9	8.9	
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																			
		Bucket Truck																			
		Compressor/Generator																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 6 - Drainage	Compressor/Generator																		15.0	15.0
		Haul Truck/Flatbed																		10.0	10.0
		Pick Up																		3.9	3.9
		Rubber Tired Loader																		7.8	7.8
		Tractor/Loader/Backhoe																		8.9	8.9
		Vibratory Roller																		10.0	10.0
		Water Truck																		1.8	1.8
	Worker Trips	Worker Trips - Calculated Total										0.6	0.6	0.6	0.6	1.5	1.5	1.5	1.2	2.0	2.3

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck												**5.9**
		Pick-Up												**2.6**
		Tractor/Loader/Backhoe												**13.4**
	Phase 2 - Grading	Excavator												**10.7**
		Generator/Compressor												**15.0**
		Grader												**10.4**
		Haul Truck/Flatbed												**12.4**
		Pick Up												**2.6**
		Rubber Tired Loader												**15.7**
		Tractor/Loader/Backhoe												**13.4**
		Vibratory Roller												**10.0**
		Water Truck												**3.5**
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane												**8.4**
		Concrete Pump Truck												**14.3**
		Concrete Truck												**7.1**
		Generator/Compressor												**22.6**
		Pick Up												**3.9**
		Rough Terrain Forklift												**9.1**
		Rubber Tired Loader												**7.8**
		Semi-truck/Flatbed												**9.4**
	Phase 4 - Roadway Demolition	Generator/Compressor												**22.6**
		Haul Truck/Flatbed												**14.1**
		Pick-Up												**3.9**
		Rubber Tired Loader												**15.7**
		Tractor/Loader/Backhoe												**13.4**
	Worker Trips	Worker Trips - Calculated Total												**3.5**
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck												**5.9**
		Pick Up												**2.6**
		Tractor/Loader/Backhoe												**8.9**
	Phase 2 - Grading	Excavator												**10.7**
		Generator/Compressor												**15.0**
		Grader												**10.4**
		Haul Truck/Flatbed												**12.4**
		Loader												**15.7**
		Pick Up												**2.6**
		Tractor/Loader/Backhoe												**13.4**
		Vibratory Roller												**10.0**
		Water Truck												**3.5**
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane	8.4	8.4	8.4									**8.4**
		Concrete Pump Truck	14.3	13.5	13.5									**14.3**
		Concrete Truck	7.1	6.2	6.2									**7.1**
		Generator/Compressor	22.6	21.4	21.4									**22.6**
		Pick Up	3.9	3.5	3.5									**3.9**
		Rough Terrain Forklift	9.1	9.1	9.1									**9.1**
		Rubber Tired Loader	7.8	7.8	7.8									**7.8**
		Semi Truck/Flatbed	9.4	8.3	8.3									**9.4**
	Phase 4 - Roadway Demolition	Excavator												**10.7**
		Generator/Compressor												**22.6**
		Haul Truck/Flatbed												**14.1**
		Pick Up												**3.9**
		Rubber Tired Loader												**15.7**
		Tractor/Loader/Backhoe												**8.9**
	Phase 5 - Stripping, Lighting and Signing	Boom Truck	4.7	4.1	4.1	4.1	4.1	4.1	4.1					**4.7**
		Bucket Truck	4.7	4.1	4.1	4.1	4.1	4.1	4.1					**4.7**
		Compressor/Generator	15.0	14.2	14.2	14.2	14.2	14.2	14.2					**15.0**
		Paint truck	4.7	4.1	4.1	4.1	4.1	4.1	4.1					**4.7**
		Pick Up	3.9	3.5	3.5	3.5	3.5	3.5	3.5					**3.9**
		Semi Truck	4.1	3.6	3.6	3.6	3.6	3.6	3.6					**4.1**
	Phase 6 - Drainage	Compressor/Generator	15.0	14.2										**15.0**
		Haul Truck/Flatbed	10.0	8.8										**10.0**
		Pick Up	3.9	3.5										**3.9**
		Rubber Tired Loader	7.8	7.8										**7.8**
		Tractor/Loader/Backhoe	8.9	8.4										**8.9**
		Vibratory Roller	10.0	10.0										**10.0**
		Water Truck	1.8	1.5										**1.8**
	Worker Trips	Worker Trips - Calculated Total	3.5	3.2	2.5	1.1	1.1	1.1	1.1					**3.5**

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																			
	Phase 2- Grading	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																			
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																			
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																			
	Phase 5 - Striping, Lighting, and Signing	Boom Truck Bucket Truck Generator/Compressor Paint truck Pick Up Semi Truck																			
	Phase 6 - Drainage	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																			
	Worker Trips	Worker Trips - Calculated Total																			

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck													3.2	3.2					
		Pick Up													2.8	2.8					
		Tractor/Loader/Backhoe													4.7	4.7					
	Phase 2- Grading	Excavator																			
		Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Semi Truck/Flatbed																			
	Phase 4 - Roadway Demolition	Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																			
		Bucket Truck																			
		Generator/Compressor																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 6 - Drainage	Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Worker Trips	Worker Trips - Calculated Total													0.6	0.6					

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
	Phase 2- Grading	Excavator																			
		Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Semi Truck/Flatbed																			
	Phase 4 - Roadway Demolition	Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																			
		Bucket Truck																			
		Generator/Compressor																			
		Paint truck																			
		Pick Up																			
		Semi Truck																			
	Phase 6 - Drainage	Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Worker Trips	Worker Trips - Calculated Total																			

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																			
		Pick Up																			
		Tractor/Loader/Backhoe																			
	Phase 2- Grading	Excavator																			
		Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																			
		Concrete Pump Truck																			
		Concrete Truck																			
		Generator/Compressor																			
		Pick Up																			
		Rough Terrain Forklift																			
		Rubber Tired Loader																			
		Semi Truck/Flatbed																			
	Phase 4 - Roadway Demolition	Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																		4.7	4.7
		Bucket Truck																		4.7	4.7
		Generator/Compressor																		15.0	15.0
		Paint truck																		4.7	4.7
		Pick Up																		2.6	2.6
		Semi Truck																		4.1	4.1
	Phase 6 - Drainage	Generator/Compressor																			
		Haul Truck/Flatbed																			
		Pick Up																			
		Rubber Tired Loader																			
		Tractor/Loader/Backhoe																			
		Vibratory Roller																			
		Water Truck																			
	Worker Trips	Worker Trips - Calculated Total																		1.2	1.2

Carson Ramp Improvements
Construction NOX Emissions
(lbs/day)

Project	Phase	Equipment Name	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck												**3.2**
		Pick Up												**2.8**
		Tractor/Loader/Backhoe												**4.7**
	Phase 2- Grading	Excavator										10.7	10.7	**10.7**
		Generator/Compressor										7.1	7.1	**7.1**
		Haul Truck/Flatbed										21.7	21.7	**21.7**
		Pick Up										2.3	2.3	**2.3**
		Rubber Tired Loader										7.8	7.8	**7.8**
		Tractor/Loader/Backhoe										4.2	4.2	**4.2**
		Vibratory Roller										5.0	5.0	**5.0**
		Water Truck										3.1	3.1	**3.1**
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane		8.4	8.4	8.4	8.4	8.4	8.4					**8.4**
		Concrete Pump Truck		13.5	13.5	13.5	13.5	13.5	13.5					**13.5**
		Concrete Truck		6.2	6.2	6.2	6.2	6.2	6.2					**6.2**
		Generator/Compressor		21.4	21.4	21.4	21.4	21.4	21.4					**21.4**
		Pick Up		3.5	3.5	3.5	3.5	3.5	3.5					**3.5**
		Rough Terrain Forklift		9.1	9.1	9.1	9.1	9.1	9.1					**9.1**
		Rubber Tired Loader		7.8	7.8	7.8	7.8	7.8	7.8					**7.8**
		Semi Truck/Flatbed		8.3	8.3	8.3	8.3	8.3	8.3					**8.3**
	Phase 4 - Roadway Demolition	Generator/Compressor								14.2	14.2			**14.2**
		Haul Truck/Flatbed								12.4	12.4			**12.4**
		Pick Up								3.5	3.5			**3.5**
		Rubber Tired Loader								15.7	15.7			**15.7**
		Tractor/Loader/Backhoe								8.4	8.4			**8.4**
	Phase 5 - Striping, Lighting, and Signing	Boom Truck	4.7	4.1	4.1	4.1	4.1	4.1	4.1					**4.7**
		Bucket Truck	4.7	4.1	4.1	4.1	4.1	4.1	4.1					**4.7**
		Generator/Compressor	15.0	14.2	14.2	14.2	14.2	14.2	14.2					**15.0**
		Paint truck	4.7	4.1	4.1	4.1	4.1	4.1	4.1					**4.7**
		Pick Up	2.6	2.3	2.3	2.3	2.3	2.3	2.3					**2.6**
		Semi Truck	4.1	3.6	3.6	3.6	3.6	3.6	3.6					**4.1**
	Phase 6 - Drainage	Generator/Compressor								14.2	14.2			**14.2**
		Haul Truck/Flatbed								8.8	8.8			**8.8**
		Pick Up								3.5	3.5			**3.5**
		Rubber Tired Loader								7.8	7.8			**7.8**
		Tractor/Loader/Backhoe								4.2	4.2			**4.2**
		Vibratory Roller								5.0	5.0			**5.0**
		Water Truck								1.5	1.5			**1.5**
	Worker Trips	Worker Trips - Calculated Total	1.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	1.4	1.4	**2.2**

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009	4/27/2009	5/4/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck	0.2	0.2	0.2	0.2	0.2																
		Pick Up Truck	0.3	0.3	0.3	0.3	0.3																
		Tractor/Loader/Backhoe	1.9	1.9	1.9	1.9	1.9																
	Phase 2 - Site Preparation / Grading	Excavator/Grader						3.7	3.7	3.7	3.7												
		Flatbed/Haulers (Truck)						0.5	0.5	0.5	0.5												
		Generator/Compressor						2.2	2.2	2.2	2.2												
		Pick Up						0.3	0.3	0.3	0.3												
		Rubber Tired Loader						2.7	2.7	2.7	2.7												
		Tractor/Loader/Backhoe						1.9	1.9	1.9	1.9												
		Vibratory Roller						1.7	1.7	1.7	1.7												
		Water Truck						0.3	0.3	0.3	0.3												
	Phase 3 - Footing Construction	200 ton Crane										1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4			
		Concrete Pump Truck										2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1			
		Concrete Truck										0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
		Generator/Compressor										2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2			
		Haul Truck										0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3			
		Pick Up										0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4			
		Tractor/Loader/Backhoe										1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3			
		Water Truck										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
	Phase 4 - Column Construction	140 ton Crane																			1.1	1.1	1.1
		Concrete Pump Truck																			1.0	1.0	1.0
		Concrete Truck																			0.3	0.3	0.3
		Flatbed																			0.2	0.2	0.2
		Generator/Compressor																			4.4	4.4	4.4
		Pick Up																			0.4	0.4	0.4
	Phase 5 - Falsework	Boom																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
		Scissor Lift																					
	Phase 6 - Superstructure	275 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																					
		Bucket Truck																					
		Generator/Compressor																					
		Paint truck																					
		Pick Up																					
		Semi Truck																					
	Phase 10 - Drainage	Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Worker Trips	Worker Trips - Calculated Total	0.7	0.7	0.7	0.7	0.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	Asphalt	Asphalt (acres per month)																					

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck															
		Pick Up Truck															
		Tractor/Loader/Backhoe															
	Phase 2 - Site Preparation / Grading	Excavator/Grader															
		Flatbed/Haulers (Truck)															
		Generator/Compressor															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
		Vibratory Roller															
		Water Truck															
	Phase 3 - Footing Construction	200 ton Crane															
		Concrete Pump Truck															
		Concrete Truck															
		Generator/Compressor															
		Haul Truck															
		Pick Up															
		Tractor/Loader/Backhoe															
		Water Truck															
	Phase 4 - Column Construction	140 ton Crane	1.1	1.1	1.1												
		Concrete Pump Truck	1.0	1.0	1.0												
		Concrete Truck	0.3	0.3	0.3												
		Flatbed	0.2	0.2	0.2												
		Generator/Compressor	4.4	4.4	4.4												
		Pick Up	0.4	0.4	0.4												
	Phase 5 - Falsework	Boom		2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1					
		Flatbed/Semi Truck		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
		Generator/Compressor		4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4					
		Pick Up		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4					
		Rough Terrain Forklift		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6					
		Rubber Tired Loader		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4					
		Scissor Lift		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6					
	Phase 6 - Superstructure	275 ton Crane				1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
		Concrete Pump Truck				4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
		Concrete Truck				0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		Flatbed/Semi Truck				0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		Generator/Compressor				4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
		Pick Up				0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		Rough Terrain Forklift				1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane															
		Concrete Pump Truck															
		Concrete Truck															
		Flatbed/Semi Truck															
		Generator/Compressor															
		Pick Up															
		Rough Terrain Forklift															
		Rubber Tired Loader															
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck															
		Bucket Truck															
		Generator/Compressor															
		Paint truck															
		Pick Up															
		Semi Truck															
	Phase 10 - Drainage	Haul Truck/Flatbed															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
		Vibratory Roller															
		Water Truck															
	Worker Trips	Worker Trips - Calculated Total	2.1	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.1	2.1	2.1	2.1	2.1
	Asphalt	Asphalt (acres per month)															

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																				
		Pick Up Truck																				
		Tractor/Loader/Backhoe																				
	Phase 2 - Site Preparation / Grading	Excavator/Grader																				
		Flatbed/Haulers (Truck)																				
		Generator/Compressor																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - Footing Construction	200 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Generator/Compressor																				
		Haul Truck																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
		Water Truck																				
	Phase 4 - Column Construction	140 ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Flatbed																				
		Generator/Compressor																				
		Pick Up																				
	Phase 5 - Falsework	Boom																				
		Flatbed/Semi Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
		Rubber Tired Loader																				
		Scissor Lift																				
	Phase 6 - Superstructure	275 ton Crane	1.4	1.4																		
		Concrete Pump Truck	4.2	4.2																		
		Concrete Truck	0.3	0.3																		
		Flatbed/Semi Truck	0.3	0.3																		
		Generator/Compressor	4.4	4.4																		
		Pick Up	0.4	0.4																		
		Rough Terrain Forklift	1.6	1.6																		
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane			1.4	1.4	1.4	1.4	1.4	1.4												
		Concrete Pump Truck			2.1	2.1	2.1	2.1	2.1	2.1												
		Concrete Truck			0.3	0.3	0.3	0.3	0.3	0.3												
		Flatbed/Semi Truck			0.3	0.3	0.3	0.3	0.3	0.3												
		Generator/Compressor			3.3	3.3	3.3	3.3	3.3	3.3												
		Pick Up			0.4	0.4	0.4	0.4	0.4	0.4												
		Rough Terrain Forklift			1.6	1.6	1.6	1.6	1.6	1.6												
		Rubber Tired Loader			1.4	1.4	1.4	1.4	1.4	1.4												
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																				
		Bucket Truck																				
		Generator/Compressor																				
		Paint truck																				
		Pick Up																				
		Semi Truck																				
	Phase 10 - Drainage	Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Worker Trips	Worker Trips - Calculated Total	2.0	2.0	1.2	1.2	1.2	1.2	1.2	1.2												
	Asphalt	Asphalt (acres per month)			1.3	1.3	1.3	1.3	1.3	1.3												

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																					
		Pick Up Truck																					
		Tractor/Loader/Backhoe																					
	Phase 2 - Site Preparation / Grading	Excavator/Grader																					
		Flatbed/Haulers (Truck)																					
		Generator/Compressor																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Phase 3 - Footing Construction	200 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Generator/Compressor																					
		Haul Truck																					
		Pick Up																					
		Tractor/Loader/Backhoe																					
		Water Truck																					
	Phase 4 - Column Construction	140 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Flatbed																					
		Generator/Compressor																					
		Pick Up																					
	Phase 5 - Falsework	Boom																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
		Scissor Lift																					
	Phase 6 - Superstructure	275 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Flatbed/Semi Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck							0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1						
		Bucket Truck							0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1						
		Generator/Compressor							2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2						
		Paint truck							0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1						
		Pick Up							0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4						
		Semi Truck							0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1						
	Phase 10 - Drainage	Haul Truck/Flatbed	0.4	0.4	0.4	0.4	0.4																
		Pick Up	0.3	0.3	0.3	0.3	0.3																
		Rubber Tired Loader	1.4	1.4	1.4	1.4	1.4																
		Tractor/Loader/Backhoe	2.6	1.3	1.3	1.3	1.3																
		Vibratory Roller	1.7	1.7	1.7	1.7	1.7																
		Water Truck	0.1	0.1	0.1	0.1	0.1																
	Worker Trips	Worker Trips - Calculated Total																					
	Asphalt	Asphalt (acres per month)																					

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck											**0.2**
		Pick Up Truck											**0.3**
		Tractor/Loader/Backhoe											**1.9**
	Phase 2 - Site Preparation / Grading	Excavator/Grader											**3.7**
		Flatbed/Haulers (Truck)											**0.5**
		Generator/Compressor											**2.2**
		Pick Up											**0.3**
		Rubber Tired Loader											**2.7**
		Tractor/Loader/Backhoe											**1.9**
		Vibratory Roller											**1.7**
		Water Truck											**0.3**
	Phase 3 - Footing Construction	200 ton Crane											**1.4**
		Concrete Pump Truck											**2.1**
		Concrete Truck											**0.3**
		Generator/Compressor											**2.2**
		Haul Truck											**0.3**
		Pick Up											**0.4**
		Tractor/Loader/Backhoe											**1.3**
		Water Truck											**0.1**
	Phase 4 - Column Construction	140 ton Crane											**1.1**
		Concrete Pump Truck											**1.0**
		Concrete Truck											**0.3**
		Flatbed											**0.2**
		Generator/Compressor											**4.4**
		Pick Up											**0.4**
	Phase 5 - Falsework	Boom											**2.1**
		Flatbed/Semi Truck											**0.3**
		Generator/Compressor											**4.4**
		Pick Up											**0.4**
		Rough Terrain Forklift											**1.6**
		Rubber Tired Loader											**1.4**
		Scissor Lift											**1.6**
	Phase 6 - Superstructure	275 ton Crane											**1.4**
		Concrete Pump Truck											**4.2**
		Concrete Truck											**0.3**
		Flatbed/Semi Truck											**0.3**
		Generator/Compressor											**4.4**
		Pick Up											**0.4**
		Rough Terrain Forklift											**1.6**
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane											**1.4**
		Concrete Pump Truck											**2.1**
		Concrete Truck											**0.3**
		Flatbed/Semi Truck											**0.3**
		Generator/Compressor											**3.3**
		Pick Up											**0.4**
		Rough Terrain Forklift											**1.6**
		Rubber Tired Loader											**1.4**
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck											**0.1**
		Bucket Truck											**0.1**
		Generator/Compressor											**2.2**
		Paint truck											**0.1**
		Pick Up											**0.4**
		Semi Truck											**0.1**
	Phase 10 - Drainage	Haul Truck/Flatbed											**0.4**
		Pick Up											**0.3**
		Rubber Tired Loader											**1.4**
		Tractor/Loader/Backhoe											**2.6**
		Vibratory Roller											**1.7**
		Water Truck											**0.1**
	Worker Trips	Worker Trips - Calculated Total											**3.7**
	Asphalt	Asphalt (acres per month)											**1.3**

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009	4/27/2009	5/4/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck Pick-Up Tractor/Loader/Backhoe																					
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																					
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi-truck/Flatbed																					
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick-Up Rubber Tired Loader Tractor/Loader/Backhoe																					
	Worker Trips	Worker Trips - Calculated Total																					
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																					
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Loader Pick Up Tractor/Loader/Backhoe Vibratory Roller Water Truck																					
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																					
	Phase 4 - Roadway Demolition	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																					
	Phase 5 - Stripping, Lighting and Signing	Boom Truck Bucket Truck Compressor/Generator Paint truck Pick Up Semi Truck																					
	Phase 6 - Drainage	Compressor/Generator Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																					
	Worker Trips	Worker Trips - Calculated Total																					
	Asphalt	Asphalt (acres per month)																					

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck															
		Pick-Up															
		Tractor/Loader/Backhoe															
	Phase 2 - Grading	Excavator															
		Generator/Compressor															
		Grader															
		Haul Truck/Flatbed															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
		Vibratory Roller															
		Water Truck															
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane															
		Concrete Pump Truck															
		Concrete Truck															
		Generator/Compressor															
		Pick Up															
		Rough Terrain Forklift															
		Rubber Tired Loader															
		Semi-truck/Flatbed															
	Phase 4 - Roadway Demolition	Generator/Compressor															
		Haul Truck/Flatbed															
		Pick-Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
	Worker Trips	Worker Trips - Calculated Total															
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck															
		Pick Up															
		Tractor/Loader/Backhoe															
	Phase 2 - Grading	Excavator															
		Generator/Compressor															
		Grader															
		Haul Truck/Flatbed															
		Loader															
		Pick Up															
		Tractor/Loader/Backhoe															
		Vibratory Roller															
		Water Truck															
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane															
		Concrete Pump Truck															
		Concrete Truck															
		Generator/Compressor															
		Pick Up															
		Rough Terrain Forklift															
		Rubber Tired Loader															
		Semi Truck/Flatbed															
	Phase 4 - Roadway Demolition	Excavator															
		Generator/Compressor															
		Haul Truck/Flatbed															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
	Phase 5 - Stripping, Lighting and Signing	Boom Truck															
		Bucket Truck															
		Compressor/Generator															
		Paint truck															
		Pick Up															
		Semi Truck															
	Phase 6 - Drainage	Compressor/Generator															
		Haul Truck/Flatbed															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
		Vibratory Roller															
		Water Truck															
	Worker Trips	Worker Trips - Calculated Total															
	Asphalt	Asphalt (acres per month)															

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck									0.2	0.2	0.2	0.2								
		Pick-Up									0.3	0.3	0.3	0.3								
		Tractor/Loader/Backhoe									1.9	1.9	1.9	1.9								
	Phase 2 - Grading	Excavator													1.8	1.8	1.8	1.8				
		Generator/Compressor													2.2	2.2	2.2	2.2				
		Grader													1.8	1.8	1.8	1.8				
		Haul Truck/Flatbed													0.4	0.4	0.4	0.4				
		Pick Up													0.3	0.3	0.3	0.3				
		Rubber Tired Loader													2.7	2.7	2.7	2.7				
		Tractor/Loader/Backhoe													1.9	1.9	1.9	1.9				
		Vibratory Roller													1.7	1.7	1.7	1.7				
		Water Truck													0.1	0.1	0.1	0.1				
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane																	1.4	1.4	1.4	1.4
		Concrete Pump Truck																	2.1	2.1	2.1	2.1
		Concrete Truck																	0.3	0.3	0.3	0.3
		Generator/Compressor																	3.3	3.3	3.3	3.3
		Pick Up																	0.4	0.4	0.4	0.4
		Rough Terrain Forklift																	1.6	1.6	1.6	1.6
		Rubber Tired Loader																	1.4	1.4	1.4	1.4
		Semi-truck/Flatbed																	0.3	0.3	0.3	0.3
	Phase 4 - Roadway Demolition	Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick-Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
	Worker Trips	Worker Trips - Calculated Total									0.6	0.6	0.6	0.6	1.6	1.6	1.6	1.6	1.2	1.2	1.2	1.2
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
	Phase 2 - Grading	Excavator																				
		Generator/Compressor																				
		Grader																				
		Haul Truck/Flatbed																				
		Loader																				
		Pick Up																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																				
		Concrete Pump Truck																				
		Concrete Truck																				
		Generator/Compressor																				
		Pick Up																				
		Rough Terrain Forklift																				
		Rubber Tired Loader																				
		Semi Truck/Flatbed																				
	Phase 4 - Roadway Demolition	Excavator																				
		Generator/Compressor																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																				
		Bucket Truck																				
		Compressor/Generator																				
		Paint truck																				
		Pick Up																				
		Semi Truck																				
	Phase 6 - Drainage	Compressor/Generator																				
		Haul Truck/Flatbed																				
		Pick Up																				
		Rubber Tired Loader																				
		Tractor/Loader/Backhoe																				
		Vibratory Roller																				
		Water Truck																				
	Worker Trips	Worker Trips - Calculated Total																				
	Asphalt	Asphalt (acres per month)																				

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																					
		Pick-Up																					
		Tractor/Loader/Backhoe																					
	Phase 2 - Grading	Excavator																					
		Generator/Compressor																					
		Grader																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane	1.4	1.4																			
		Concrete Pump Truck	2.1	2.1																			
		Concrete Truck	0.3	0.3																			
		Generator/Compressor	3.3	3.3																			
		Pick Up	0.4	0.4																			
		Rough Terrain Forklift	1.6	1.6																			
		Rubber Tired Loader	1.4	1.4																			
		Semi-truck/Flatbed	0.3	0.3																			
	Phase 4 - Roadway Demolition	Generator/Compressor	3.3	3.3	3.3	3.3	3.3																
		Haul Truck/Flatbed	0.5	0.5	0.5	0.5	0.5																
		Pick-Up	0.4	0.4	0.4	0.4	0.4																
		Rubber Tired Loader	2.7	2.7	2.7	2.7	2.7																
		Tractor/Loader/Backhoe	1.9	1.9	1.9	1.9	1.9																
	Worker Trips	Worker Trips - Calculated Total	3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2							
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck											0.2	0.2	0.2	0.2							
		Pick Up											0.3	0.3	0.3	0.3							
		Tractor/Loader/Backhoe											1.3	1.3	1.3	1.3							
	Phase 2 - Grading	Excavator															1.8	1.8	1.8				
		Generator/Compressor															2.2	2.2	2.2				
		Grader															1.8	1.8	1.8				
		Haul Truck/Flatbed															0.4	0.4	0.4				
		Loader															2.7	2.7	2.7				
		Pick Up															0.3	0.3	0.3				
		Tractor/Loader/Backhoe															1.9	1.9	1.9				
		Vibratory Roller															1.7	1.7	1.7				
		Water Truck															0.1	0.1	0.1				
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																		1.4	1.4	1.4	1.4
		Concrete Pump Truck																		2.1	2.1	2.1	2.1
		Concrete Truck																		0.3	0.3	0.3	0.3
		Generator/Compressor																		3.3	3.3	3.3	3.3
		Pick Up																		0.4	0.4	0.4	0.4
		Rough Terrain Forklift																		1.6	1.6	1.6	1.6
		Rubber Tired Loader																		1.4	1.4	1.4	1.4
		Semi Truck/Flatbed																		0.3	0.3	0.3	0.3
	Phase 4 - Roadway Demolition	Excavator																		1.8	1.8		
		Generator/Compressor																		3.3	3.3		
		Haul Truck/Flatbed																		0.5	0.5		
		Pick Up																		0.4	0.4		
		Rubber Tired Loader																		2.7	1.4		
		Tractor/Loader/Backhoe																		1.3	1.3		
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																					0.2
		Bucket Truck																					0.2
		Compressor/Generator																					2.2
		Paint truck																					0.2
		Pick Up																					0.4
		Semi Truck																					0.1
	Phase 6 - Drainage	Compressor/Generator																			2.2	2.2	2.2
		Haul Truck/Flatbed																			0.4	0.4	0.4
		Pick Up																			0.4	0.4	0.4
		Rubber Tired Loader																			1.4	1.4	1.4
		Tractor/Loader/Backhoe																			1.3	1.3	1.3
		Vibratory Roller																			1.7	1.7	1.7
		Water Truck																			0.1	0.1	0.1
	Worker Trips	Worker Trips - Calculated Total											0.6	0.6	0.6	0.6	1.6	1.6	1.6	1.2	2.0	2.4	3.6
	Asphalt	Asphalt (acres per month)																		1.3	1.3	1.3	1.3

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck											**0.2**
		Pick-Up											**0.3**
		Tractor/Loader/Backhoe											**1.9**
	Phase 2 - Grading	Excavator											**1.8**
		Generator/Compressor											**2.2**
		Grader											**1.8**
		Haul Truck/Flatbed											**0.4**
		Pick Up											**0.3**
		Rubber Tired Loader											**2.7**
		Tractor/Loader/Backhoe											**1.9**
		Vibratory Roller											**1.7**
		Water Truck											**0.1**
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane											**1.4**
		Concrete Pump Truck											**2.1**
		Concrete Truck											**0.3**
		Generator/Compressor											**3.3**
		Pick Up											**0.4**
		Rough Terrain Forklift											**1.6**
		Rubber Tired Loader											**1.4**
		Semi-truck/Flatbed											**0.3**
	Phase 4 - Roadway Demolition	Generator/Compressor											**3.3**
		Haul Truck/Flatbed											**0.5**
		Pick-Up											**0.4**
		Rubber Tired Loader											**2.7**
		Tractor/Loader/Backhoe											**1.9**
	Worker Trips	Worker Trips - Calculated Total											**3.6**
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck											**0.2**
		Pick Up											**0.3**
		Tractor/Loader/Backhoe											**1.3**
	Phase 2 - Grading	Excavator											**1.8**
		Generator/Compressor											**2.2**
		Grader											**1.8**
		Haul Truck/Flatbed											**0.4**
		Loader											**2.7**
		Pick Up											**0.3**
		Tractor/Loader/Backhoe											**1.9**
		Vibratory Roller											**1.7**
		Water Truck											**0.1**
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane	1.4	1.4									**1.4**
		Concrete Pump Truck	2.1	2.1									**2.1**
		Concrete Truck	0.2	0.2									**0.3**
		Generator/Compressor	3.3	3.3									**3.3**
		Pick Up	0.4	0.4									**0.4**
		Rough Terrain Forklift	1.6	1.6									**1.6**
		Rubber Tired Loader	1.4	1.4									**1.4**
		Semi Truck/Flatbed	0.3	0.3									**0.3**
	Phase 4 - Roadway Demolition	Excavator											**1.8**
		Generator/Compressor											**3.3**
		Haul Truck/Flatbed											**0.5**
		Pick Up											**0.4**
		Rubber Tired Loader											**2.7**
		Tractor/Loader/Backhoe											**1.3**
	Phase 5 - Stripping, Lighting and Signing	Boom Truck	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
		Bucket Truck	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
		Compressor/Generator	2.2	2.2	2.2	2.2	2.2	2.2					**2.2**
		Paint truck	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
		Pick Up	0.4	0.4	0.4	0.4	0.4	0.4					**0.4**
		Semi Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
	Phase 6 - Drainage	Compressor/Generator	2.2										**2.2**
		Haul Truck/Flatbed	0.3										**0.4**
		Pick Up	0.4										**0.4**
		Rubber Tired Loader	1.4										**1.4**
		Tractor/Loader/Backhoe	1.3										**1.3**
		Vibratory Roller	1.7										**1.7**
		Water Truck	0.1										**0.1**
	Worker Trips	Worker Trips - Calculated Total	3.3	2.6	1.1	1.1	1.1	1.1					**3.6**
	Asphalt	Asphalt (acres per month)	1.3	1.3									**1.3**

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009	4/27/2009	5/4/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																					
	Phase 2- Grading	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																					
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																					
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																					
	Phase 5 - Striping, Lighting, and Signing	Boom Truck Bucket Truck Generator/Compressor Paint truck Pick Up Semi Truck																					
	Phase 6 - Drainage	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller																					

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck											0.1	0.1			
		Pick Up											0.3	0.3			
		Tractor/Loader/Backhoe											0.6	0.6			
	Phase 2- Grading	Excavator															
		Generator/Compressor															
		Haul Truck/Flatbed															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
		Vibratory Roller															
		Water Truck															
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane															
		Concrete Pump Truck															
		Concrete Truck															
		Generator/Compressor															
		Pick Up															
		Rough Terrain Forklift															
		Rubber Tired Loader															
		Semi Truck/Flatbed															
	Phase 4 - Roadway Demolition	Generator/Compressor															
		Haul Truck/Flatbed															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
	Phase 5 - Striping, Lighting, and Signing	Boom Truck															
		Bucket Truck															
		Generator/Compressor															
		Paint truck															
		Pick Up															
		Semi Truck															
	Phase 6 - Drainage	Generator/Compressor															
		Haul Truck/Flatbed															
		Pick Up															
		Rubber Tired Loader															
		Tractor/Loader/Backhoe															
		Vibratory Roller															

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																				
	Phase 2- Grading	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																				
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																				
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																				
	Phase 5 - Striping, Lighting, and Signing	Boom Truck Bucket Truck Generator/Compressor Paint truck Pick Up Semi Truck																				
	Phase 6 - Drainage	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller																				

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																					
		Pick Up																					
		Tractor/Loader/Backhoe																					
	Phase 2- Grading	Excavator																					
		Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					
		Water Truck																					
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																					
		Concrete Pump Truck																					
		Concrete Truck																					
		Generator/Compressor																					
		Pick Up																					
		Rough Terrain Forklift																					
		Rubber Tired Loader																					
		Semi Truck/Flatbed																					
	Phase 4 - Roadway Demolition	Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																			0.2	0.2	0.2
		Bucket Truck																			0.2	0.2	0.2
		Generator/Compressor																			2.2	2.2	2.2
		Paint truck																			0.2	0.2	0.2
		Pick Up																			0.3	0.3	0.3
		Semi Truck																			0.1	0.1	0.1
	Phase 6 - Drainage	Generator/Compressor																					
		Haul Truck/Flatbed																					
		Pick Up																					
		Rubber Tired Loader																					
		Tractor/Loader/Backhoe																					
		Vibratory Roller																					

Carson Ramp Improvements
Construction ROG Emissions
(lbs/day)

Project	Phase	Equipment Name	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck											**0.1**
		Pick Up											**0.3**
		Tractor/Loader/Backhoe											**0.6**
	Phase 2- Grading	Excavator									1.8	1.8	**1.8**
		Generator/Compressor									1.1	1.1	**1.1**
		Haul Truck/Flatbed									0.8	0.8	**0.8**
		Pick Up									0.3	0.3	**0.3**
		Rubber Tired Loader									1.4	1.4	**1.4**
		Tractor/Loader/Backhoe									0.6	0.6	**0.6**
		Vibratory Roller									0.9	0.9	**0.9**
		Water Truck									0.1	0.1	**0.1**
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane	1.4	1.4	1.4	1.4	1.4	1.4					**1.4**
		Concrete Pump Truck	2.1	2.1	2.1	2.1	2.1	2.1					**2.1**
		Concrete Truck	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
		Generator/Compressor	3.3	3.3	3.3	3.3	3.3	3.3					**3.3**
		Pick Up	0.4	0.4	0.4	0.4	0.4	0.4					**0.4**
		Rough Terrain Forklift	1.6	1.6	1.6	1.6	1.6	1.6					**1.6**
		Rubber Tired Loader	1.4	1.4	1.4	1.4	1.4	1.4					**1.4**
		Semi Truck/Flatbed	0.3	0.3	0.3	0.3	0.3	0.3					**0.3**
	Phase 4 - Roadway Demolition	Generator/Compressor							2.2	2.2			**2.2**
		Haul Truck/Flatbed							0.5	0.5			**0.5**
		Pick Up							0.4	0.4			**0.4**
		Rubber Tired Loader							2.7	2.7			**2.7**
		Tractor/Loader/Backhoe							1.3	1.3			**1.3**
	Phase 5 - Striping, Lighting, and Signing	Boom Truck	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
		Bucket Truck	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
		Generator/Compressor	2.2	2.2	2.2	2.2	2.2	2.2					**2.2**
		Paint truck	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
		Pick Up	0.3	0.3	0.3	0.3	0.3	0.3					**0.3**
		Semi Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
	Phase 6 - Drainage	Generator/Compressor							2.2	2.2			**2.2**
		Haul Truck/Flatbed							0.3	0.3			**0.3**
		Pick Up							0.4	0.4			**0.4**
		Rubber Tired Loader							1.4	1.4			**1.4**
		Tractor/Loader/Backhoe							0.6	0.6			**0.6**
		Vibratory Roller							0.9	0.9			**0.9**

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck	0.1	0.1	0.1	0.1	0.1																					
		Pick Up Truck	0.1	0.1	0.1	0.1	0.1																					
		Tractor/Loader/Backhoe	0.3	0.3	0.3	0.3	0.3																					
	Phase 2 - Site Preparation / Grading	Excavator/Grader						0.3	0.3	0.3	0.3																	
		Flatbed/Haulers (Truck)						0.3	0.3	0.3	0.3																	
		Generator/Compressor						0.3	0.3	0.3	0.3																	
		Pick Up						0.1	0.1	0.1	0.1																	
		Rubber Tired Loader						0.2	0.2	0.2	0.2																	
		Tractor/Loader/Backhoe						0.3	0.3	0.3	0.3																	
		Vibratory Roller						0.1	0.1	0.1	0.1																	
		Water Truck						0.1	0.1	0.1	0.1																	
	Phase 3 - Footing Construction	200 ton Crane										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1								
		Concrete Pump Truck										0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3								
		Concrete Truck										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1								
		Generator/Compressor										0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3								
		Haul Truck										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1								
		Pick Up										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1								
		Tractor/Loader/Backhoe										0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2								
		Water Truck										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1								
	Phase 4 - Column Construction	140 ton Crane																			0.1	0.1	0.1	0.1	0.1	0.1		
		Concrete Pump Truck																			0.2	0.2	0.2	0.2	0.2	0.2		
		Concrete Truck																			0.1	0.1	0.1	0.1	0.1	0.1		
		Flatbed																			0.1	0.1	0.1	0.1	0.1	0.1		
		Generator/Compressor																			0.7	0.7	0.7	0.7	0.7	0.7		
		Pick Up																			0.1	0.1	0.1	0.1	0.1	0.1		
	Phase 5 - Falsework	Boom																							0.3	0.3	0.3	0.3
		Flatbed/Semi Truck																							0.2	0.2	0.2	0.2
		Generator/Compressor																							0.7	0.7	0.7	0.7
		Pick Up																							0.1	0.1	0.1	0.1
		Rough Terrain Forklift																							0.1	0.1	0.1	0.1
		Rubber Tired Loader																							0.1	0.1	0.1	0.1
		Scissor Lift																							0.1	0.1	0.1	0.1
	Phase 6 - Superstructure	275 ton Crane																									0.1	0.1
		Concrete Pump Truck																									0.6	0.6
		Concrete Truck																									0.1	0.1
		Flatbed/Semi Truck																									0.2	0.2
		Generator/Compressor																									0.7	0.7
		Pick Up																									0.1	0.1
		Rough Terrain Forklift																									0.1	0.1
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																										
		Concrete Pump Truck																										
		Concrete Truck																										
		Flatbed/Semi Truck																										
		Generator/Compressor																										
		Pick Up																										
		Rough Terrain Forklift																										
		Rubber Tired Loader																										
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																										
		Bucket Truck																										
		Generator/Compressor																										
		Paint truck																										
		Pick Up																										
		Semi Truck																										
	Phase 10 - Drainage	Haul Truck/Flatbed																										
		Pick Up																										
		Rubber Tired Loader																										
		Tractor/Loader/Backhoe																										
		Vibratory Roller																										
		Water Truck																										
	Worker Trips	Worker Trips - Calculated Total	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
	Fugitive Dust	Fugitive Dust (acres per day) - Max	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9								
		Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per week) - Demo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
		Fugitive Dust (yd3 per day) - Normal																										

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																									
		Pick Up Truck																									
		Tractor/Loader/Backhoe																									
	Phase 2 - Site Preparation / Grading	Excavator/Grader																									
		Flatbed/Haulers (Truck)																									
		Generator/Compressor																									
		Pick Up																									
		Rubber Tired Loader																									
		Tractor/Loader/Backhoe																									
		Vibratory Roller																									
		Water Truck																									
	Phase 3 - Footing Construction	200 ton Crane																									
		Concrete Pump Truck																									
		Concrete Truck																									
		Generator/Compressor																									
		Haul Truck																									
		Pick Up																									
		Tractor/Loader/Backhoe																									
		Water Truck																									
	Phase 4 - Column Construction	140 ton Crane																									
		Concrete Pump Truck																									
		Concrete Truck																									
		Flatbed																									
		Generator/Compressor																									
		Pick Up																									
	Phase 5 - Falsework	Boom	0.3	0.3	0.3	0.3	0.3																				
		Flatbed/Semi Truck	0.2	0.2	0.2	0.2	0.2																				
		Generator/Compressor	0.7	0.7	0.7	0.7	0.7																				
		Pick Up	0.1	0.1	0.1	0.1	0.1																				
		Rough Terrain Forklift	0.1	0.1	0.1	0.1	0.1																				
		Rubber Tired Loader	0.1	0.1	0.1	0.1	0.1																				
		Scissor Lift	0.1	0.1	0.1	0.1	0.1																				
	Phase 6 - Superstructure	275 ton Crane	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1													
		Concrete Pump Truck	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6													
		Concrete Truck	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1													
		Flatbed/Semi Truck	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2													
		Generator/Compressor	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6													
		Pick Up	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1													
		Rough Terrain Forklift	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1													
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane													0.1	0.1	0.1	0.1	0.1	0.1							
		Concrete Pump Truck													0.3	0.3	0.3	0.3	0.3	0.3							
		Concrete Truck													0.1	0.1	0.1	0.1	0.1	0.1							
		Flatbed/Semi Truck													0.2	0.2	0.2	0.2	0.2	0.2							
		Generator/Compressor													0.5	0.5	0.5	0.5	0.5	0.5							
		Pick Up													0.1	0.1	0.1	0.1	0.1	0.1							
		Rough Terrain Forklift													0.1	0.1	0.1	0.1	0.1	0.1							
		Rubber Tired Loader													0.1	0.1	0.1	0.1	0.1	0.1							
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck																									
		Bucket Truck																									
		Generator/Compressor																									
		Paint truck																									
		Pick Up																									
		Semi Truck																									
	Phase 10 - Drainage	Haul Truck/Flatbed																									
		Pick Up																									
		Rubber Tired Loader																									
		Tractor/Loader/Backhoe																									
		Vibratory Roller																									
		Water Truck																									
	Worker Trips	Worker Trips - Calculated Total	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
	Fugitive Dust	Fugitive Dust (acres per day) - Max																									
		Fugitive Dust (acres per day) - Normal													1.3	1.3	1.3	1.3	1.3	1.3							
		Fugitive Dust (square footage per week) - Demo																									
		Fugitive Dust (yd3 per day) - Normal													21.8	21.8	21.8	21.8	21.8	21.8							

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck																								
		Pick Up Truck																								
		Tractor/Loader/Backhoe																								
	Phase 2 - Site Preparation / Grading	Excavator/Grader																								
		Flatbed/Haulers (Truck)																								
		Generator/Compressor																								
		Pick Up																								
		Rubber Tired Loader																								
		Tractor/Loader/Backhoe																								
		Vibratory Roller																								
		Water Truck																								
	Phase 3 - Footing Construction	200 ton Crane																								
		Concrete Pump Truck																								
		Concrete Truck																								
		Generator/Compressor																								
		Haul Truck																								
		Pick Up																								
		Tractor/Loader/Backhoe																								
		Water Truck																								
	Phase 4 - Column Construction	140 ton Crane																								
		Concrete Pump Truck																								
		Concrete Truck																								
		Flatbed																								
		Generator/Compressor																								
		Pick Up																								
	Phase 5 - Falsework	Boom																								
		Flatbed/Semi Truck																								
		Generator/Compressor																								
		Pick Up																								
		Rough Terrain Forklift																								
		Rubber Tired Loader																								
		Scissor Lift																								
	Phase 6 - Superstructure	275 ton Crane																								
		Concrete Pump Truck																								
		Concrete Truck																								
		Flatbed/Semi Truck																								
		Generator/Compressor																								
		Pick Up																								
		Rough Terrain Forklift																								
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane																								
		Concrete Pump Truck																								
		Concrete Truck																								
		Flatbed/Semi Truck																								
		Generator/Compressor																								
		Pick Up																								
		Rough Terrain Forklift																								
		Rubber Tired Loader																								
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					
		Bucket Truck										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					
		Generator/Compressor										0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
		Paint truck										0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
		Pick Up										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					
		Semi Truck										0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					
	Phase 10 - Drainage	Haul Truck/Flatbed	0.2	0.2	0.2	0.2	0.2																			
		Pick Up	0.0	0.0	0.0	0.0	0.0																			
		Rubber Tired Loader	0.1	0.1	0.1	0.1	0.1																			
		Tractor/Loader/Backhoe	0.4	0.2	0.2	0.2	0.2																			
		Vibratory Roller	0.1	0.1	0.1	0.1	0.1																			
		Water Truck	0.0	0.0	0.0	0.0	0.0																			
	Worker Trips	Worker Trips - Calculated Total																								
	Fugitive Dust	Fugitive Dust (acres per day) - Max																								
		Fugitive Dust (acres per day) - Normal																								
		Fugitive Dust (square footage per week) - Demo																								
		Fugitive Dust (yd3 per day) - Normal																								

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 1)	Phase 1 - Clearing and Grubbing	Haul Truck											**0.1**
		Pick Up Truck											**0.1**
		Tractor/Loader/Backhoe											**0.3**
	Phase 2 - Site Preparation / Grading	Excavator/Grader											**0.3**
		Flatbed/Haulers (Truck)											**0.3**
		Generator/Compressor											**0.3**
		Pick Up											**0.1**
		Rubber Tired Loader											**0.2**
		Tractor/Loader/Backhoe											**0.3**
		Vibratory Roller											**0.1**
		Water Truck											**0.1**
	Phase 3 - Footing Construction	200 ton Crane											**0.1**
		Concrete Pump Truck											**0.3**
		Concrete Truck											**0.1**
		Generator/Compressor											**0.3**
		Haul Truck											**0.1**
		Pick Up											**0.1**
		Tractor/Loader/Backhoe											**0.2**
		Water Truck											**0.1**
	Phase 4 - Column Construction	140 ton Crane											**0.1**
		Concrete Pump Truck											**0.2**
		Concrete Truck											**0.1**
		Flatbed											**0.1**
		Generator/Compressor											**0.7**
		Pick Up											**0.1**
	Phase 5 - Falsework	Boom											**0.3**
		Flatbed/Semi Truck											**0.2**
		Generator/Compressor											**0.7**
		Pick Up											**0.1**
		Rough Terrain Forklift											**0.1**
		Rubber Tired Loader											**0.1**
		Scissor Lift											**0.1**
	Phase 6 - Superstructure	275 ton Crane											**0.1**
		Concrete Pump Truck											**0.6**
		Concrete Truck											**0.1**
		Flatbed/Semi Truck											**0.2**
		Generator/Compressor											**0.7**
		Pick Up											**0.1**
		Rough Terrain Forklift											**0.1**
	Phase 7 - Access Roads to Torrance Lateral Channel	200 ton Crane											**0.1**
		Concrete Pump Truck											**0.3**
		Concrete Truck											**0.1**
		Flatbed/Semi Truck											**0.2**
		Generator/Compressor											**0.5**
		Pick Up											**0.1**
		Rough Terrain Forklift											**0.1**
		Rubber Tired Loader											**0.1**
	Phase 9 - Stripping, Lighting, and Signing	Boom Truck											**0.1**
		Bucket Truck											**0.1**
		Generator/Compressor											**0.3**
		Paint truck											**0.0**
		Pick Up											**0.1**
		Semi Truck											**0.1**
	Phase 10 - Drainage	Haul Truck/Flatbed											**0.2**
		Pick Up											**0.0**
		Rubber Tired Loader											**0.1**
		Tractor/Loader/Backhoe											**0.4**
		Vibratory Roller											**0.1**
		Water Truck											**0.0**
	Worker Trips	Worker Trips - Calculated Total											**0.2**
	Fugitive Dust	Fugitive Dust (acres per day) - Max											**3.8**
		Fugitive Dust (acres per day) - Normal											**1.3**
		Fugitive Dust (square footage per week) - Demo											**0.0**
		Fugitive Dust (yd3 per day) - Normal											**21.8**

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck Pick-Up Tractor/Loader/Backhoe																									
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																									
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi-truck/Flatbed																									
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick-Up Rubber Tired Loader Tractor/Loader/Backhoe																									
	Worker Trips	Worker Trips - Calculated Total																									
	Fugitive Dust	Fugitive Dust (acres per day) - Max Fugitive Dust (acres per day) - Normal Fugitive Dust (square footage per week) - Demo Fugitive Dust (yd3 per day) - Normal																									
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																									
	Phase 2 - Grading	Excavator Generator/Compressor Grader Haul Truck/Flatbed Loader Pick Up Tractor/Loader/Backhoe Vibratory Roller Water Truck																									
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																									
	Phase 4 - Roadway Demolition	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																									
	Phase 5 - Stripping, Lighting and Signing	Boom Truck Bucket Truck Compressor/Generator Paint truck Pick Up Semi Truck																									
	Phase 6 - Drainage	Compressor/Generator Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																									
	Worker Trips	Worker Trips - Calculated Total																									
	Fugitive Dust	Fugitive Dust (acres per day) - Max Fugitive Dust (acres per day) - Normal Fugitive Dust (square footage per week) - Demo Fugitive Dust (yd3 per day) - Normal																									

Project	Phase	Equipment Name	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																			0.1	0.1	0.1	0.1				
		Pick-Up																			0.0	0.0	0.0	0.0				
		Tractor/Loader/Backhoe																			0.3	0.3	0.3	0.3				
	Phase 2 - Grading	Excavator																							0.1	0.1	0.1	0.1
		Generator/Compressor																							0.3	0.3	0.3	0.3
		Grader																							0.2	0.2	0.2	0.2
		Haul Truck/Flatbed																							0.2	0.2	0.2	0.2
		Pick Up																							0.0	0.0	0.0	0.0
		Rubber Tired Loader																							0.2	0.2	0.2	0.2
		Tractor/Loader/Backhoe																							0.3	0.3	0.3	0.3
		Vibratory Roller																							0.1	0.1	0.1	0.1
		Water Truck																							0.1	0.1	0.1	0.1
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane																										
		Concrete Pump Truck																										
		Concrete Truck																										
		Generator/Compressor																										
		Pick Up																										
		Rough Terrain Forklift																										
		Rubber Tired Loader																										
		Semi-truck/Flatbed																										
	Phase 4 - Roadway Demolition	Generator/Compressor																										
		Haul Truck/Flatbed																										
		Pick-Up																										
		Rubber Tired Loader																										
		Tractor/Loader/Backhoe																										
	Worker Trips	Worker Trips - Calculated Total																			0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
	Fugitive Dust	Fugitive Dust (acres per day) - Max																					4.8	4.8				
		Fugitive Dust (acres per day) - Normal																							1.3	1.3	1.3	1.3
		Fugitive Dust (square footage per week) - Demo																			0.0	0.0	0.0	0.0				
		Fugitive Dust (yd3 per day) - Normal																							19.5	19.5	19.5	19.5
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck																										
		Pick Up																										
		Tractor/Loader/Backhoe																										
	Phase 2 - Grading	Excavator																										
		Generator/Compressor																										
		Grader																										
		Haul Truck/Flatbed																										
		Loader																										
		Pick Up																										
		Tractor/Loader/Backhoe																										
		Vibratory Roller																										
		Water Truck																										
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																										
		Concrete Pump Truck																										
		Concrete Truck																										
		Generator/Compressor																										
		Pick Up																										
		Rough Terrain Forklift																										
		Rubber Tired Loader																										
		Semi Truck/Flatbed																										
	Phase 4 - Roadway Demolition	Excavator																										
		Generator/Compressor																										
		Haul Truck/Flatbed																										
		Pick Up																										
		Rubber Tired Loader																										
		Tractor/Loader/Backhoe																										
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																										
		Bucket Truck																										
		Compressor/Generator																										
		Paint truck																										
		Pick Up																										
		Semi Truck																										
	Phase 6 - Drainage	Compressor/Generator																										
		Haul Truck/Flatbed																										
		Pick Up																										
		Rubber Tired Loader																										
		Tractor/Loader/Backhoe																										
		Vibratory Roller																										
		Water Truck																										
	Worker Trips	Worker Trips - Calculated Total																										
	Fugitive Dust	Fugitive Dust (acres per day) - Max																										
		Fugitive Dust (acres per day) - Normal																										
		Fugitive Dust (square footage per week) - Demo																										
		Fugitive Dust (yd3 per day) - Normal																										

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck																								
		Pick-Up																								
		Tractor/Loader/Backhoe																								
	Phase 2 - Grading	Excavator																								
		Generator/Compressor																								
		Grader																								
		Haul Truck/Flatbed																								
		Pick Up																								
		Rubber Tired Loader																								
		Tractor/Loader/Backhoe																								
		Vibratory Roller																								
		Water Truck																								
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane	0.1	0.1	0.1	0.1	0.1	0.1																		
		Concrete Pump Truck	0.3	0.3	0.3	0.3	0.3	0.3																		
		Concrete Truck	0.1	0.1	0.1	0.1	0.1	0.1																		
		Generator/Compressor	0.5	0.5	0.5	0.5	0.5	0.5																		
		Pick Up	0.1	0.1	0.1	0.1	0.1	0.1																		
		Rough Terrain Forklift	0.1	0.1	0.1	0.1	0.1	0.1																		
		Rubber Tired Loader	0.1	0.1	0.1	0.1	0.1	0.1																		
		Semi-truck/Flatbed	0.2	0.2	0.2	0.2	0.2	0.2																		
	Phase 4 - Roadway Demolition	Generator/Compressor					0.5	0.5	0.5	0.5	0.5															
		Haul Truck/Flatbed					0.3	0.3	0.3	0.3	0.3															
		Pick-Up					0.1	0.1	0.1	0.1	0.1															
		Rubber Tired Loader					0.2	0.2	0.2	0.2	0.2															
		Tractor/Loader/Backhoe					0.3	0.3	0.3	0.3	0.3															
	Worker Trips	Worker Trips - Calculated Total	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1						
	Fugitive Dust	Fugitive Dust (acres per day) - Max					1.9	1.9	1.9	1.9	1.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4						
		Fugitive Dust (acres per day) - Normal	1.3	1.3	1.3	1.3	1.3	1.3																		
		Fugitive Dust (square footage per week) - Demo					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						
		Fugitive Dust (yd3 per day) - Normal	21.8	21.8	21.8	21.8	21.8	21.8																		
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck															0.1	0.1	0.1	0.1						
		Pick Up															0.0	0.0	0.0	0.0						
		Tractor/Loader/Backhoe															0.2	0.2	0.2	0.2						
	Phase 2 - Grading	Excavator																			0.1	0.1	0.1			
		Generator/Compressor																			0.3	0.3	0.3			
		Grader																			0.2	0.2	0.2			
		Haul Truck/Flatbed																			0.2	0.2	0.2			
		Loader																			0.2	0.2	0.2			
		Pick Up																			0.0	0.0	0.0			
		Tractor/Loader/Backhoe																			0.3	0.3	0.3			
		Vibratory Roller																			0.1	0.1	0.1			
		Water Truck																			0.1	0.1	0.1			
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane																						0.1	0.1	0.1
		Concrete Pump Truck																						0.3	0.3	0.3
		Concrete Truck																						0.1	0.1	0.1
		Generator/Compressor																						0.5	0.5	0.5
		Pick Up																						0.1	0.1	0.1
		Rough Terrain Forklift																						0.1	0.1	0.1
		Rubber Tired Loader																						0.1	0.1	0.1
		Semi Truck/Flatbed																						0.2	0.2	0.2
	Phase 4 - Roadway Demolition	Excavator																						0.1	0.1	
		Generator/Compressor																						0.5	0.5	
		Haul Truck/Flatbed																						0.3	0.3	
		Pick Up																						0.1	0.1	
		Rubber Tired Loader																						0.2	0.1	
		Tractor/Loader/Backhoe																						0.2	0.2	
	Phase 5 - Stripping, Lighting and Signing	Boom Truck																								0.1
		Bucket Truck																								0.1
		Compressor/Generator																								0.3
		Paint truck																								0.1
		Pick Up																								0.1
		Semi Truck																								0.1
	Phase 6 - Drainage	Compressor/Generator																							0.3	0.3
		Haul Truck/Flatbed																							0.2	0.2
		Pick Up																							0.1	0.1
		Rubber Tired Loader																							0.1	0.1
		Tractor/Loader/Backhoe																							0.2	0.2
		Vibratory Roller																							0.1	0.1
		Water Truck																							0.0	0.0
	Worker Trips	Worker Trips - Calculated Total	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2													
	Fugitive Dust	Fugitive Dust (acres per day) - Max	9.6	9.6	9.6	9.6															1.9	2.3	2.3			
		Fugitive Dust (acres per day) - Normal															1.3	1.3	1.3	1.3	1.3					
		Fugitive Dust (square footage per week) - Demo	0.0	0.0	0.0	0.0																				
		Fugitive Dust (yd3 per day) - Normal																								
																	23.6	23.6	23.6	23.6	23.6					

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 2)	Phase 1 - Site Preparation	Haul Truck											**0.1**
		Pick-Up											**0.0**
		Tractor/Loader/Backhoe											**0.3**
	Phase 2 - Grading	Excavator											**0.1**
		Generator/Compressor											**0.3**
		Grader											**0.2**
		Haul Truck/Flatbed											**0.2**
		Pick Up											**0.0**
		Rubber Tired Loader											**0.2**
		Tractor/Loader/Backhoe											**0.3**
		Vibratory Roller											**0.1**
		Water Truck											**0.1**
	Phase 3 - Lenardo Drive Widening and SB I-405 On-Ramp	200-ton Crane											**0.1**
		Concrete Pump Truck											**0.3**
		Concrete Truck											**0.1**
		Generator/Compressor											**0.5**
		Pick Up											**0.1**
		Rough Terrain Forklift											**0.1**
		Rubber Tired Loader											**0.1**
		Semi-truck/Flatbed											**0.2**
	Phase 4 - Roadway Demolition	Generator/Compressor											**0.5**
		Haul Truck/Flatbed											**0.3**
		Pick-Up											**0.1**
		Rubber Tired Loader											**0.2**
		Tractor/Loader/Backhoe											**0.3**
	Worker Trips	Worker Trips - Calculated Total											**0.2**
	Fugitive Dust	Fugitive Dust (acres per day) - Max											**4.8**
		Fugitive Dust (acres per day) - Normal											**1.3**
		Fugitive Dust (square footage per week) - Demo											**0.0**
		Fugitive Dust (yd3 per day) - Normal											**21.8**
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 3)	Phase 1 - Site Preparation	Haul Truck											**0.1**
		Pick Up											**0.0**
		Tractor/Loader/Backhoe											**0.2**
	Phase 2 - Grading	Excavator											**0.1**
		Generator/Compressor											**0.3**
		Grader											**0.2**
		Haul Truck/Flatbed											**0.2**
		Loader											**0.2**
		Pick Up											**0.0**
		Tractor/Loader/Backhoe											**0.3**
		Vibratory Roller											**0.1**
		Water Truck											**0.1**
	Phase 3 - N/B I-405 Access Ramps	200-ton Crane	0.1	0.1									**0.1**
		Concrete Pump Truck	0.3	0.3									**0.3**
		Concrete Truck	0.1	0.1									**0.1**
		Generator/Compressor	0.4	0.4									**0.5**
		Pick Up	0.1	0.1									**0.1**
		Rough Terrain Forklift	0.1	0.1									**0.1**
		Rubber Tired Loader	0.1	0.1									**0.1**
		Semi Truck/Flatbed	0.2	0.2									**0.2**
	Phase 4 - Roadway Demolition	Excavator											**0.1**
		Generator/Compressor											**0.5**
		Haul Truck/Flatbed											**0.3**
		Pick Up											**0.1**
		Rubber Tired Loader											**0.2**
		Tractor/Loader/Backhoe											**0.2**
	Phase 5 - Stripping, Lighting and Signing	Boom Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Bucket Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Compressor/Generator	0.3	0.3	0.3	0.3	0.3	0.3					**0.3**
		Paint truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Pick Up	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Semi Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
	Phase 6 - Drainage	Compressor/Generator	0.3										**0.3**
		Haul Truck/Flatbed	0.2										**0.2**
		Pick Up	0.1										**0.1**
		Rubber Tired Loader	0.1										**0.1**
		Tractor/Loader/Backhoe	0.2										**0.2**
		Vibratory Roller	0.1										**0.1**
		Water Truck	0.0										**0.0**
	Worker Trips	Worker Trips - Calculated Total	0.2	0.2	0.1	0.1	0.1	0.1					**0.2**
	Fugitive Dust	Fugitive Dust (acres per day) - Max	2.3	0.6	0.2	0.2	0.2	0.2					**9.6**
		Fugitive Dust (acres per day) - Normal											**1.3**
		Fugitive Dust (square footage per week) - Demo	0.0	0.0	0.0	0.0	0.0	0.0					**0.1**
		Fugitive Dust (yd3 per day) - Normal											**23.6**

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	12/15/2008	12/22/2008	12/29/2008	1/5/2009	1/12/2009	1/19/2009	1/26/2009	2/2/2009	2/9/2009	2/16/2009	2/23/2009	3/2/2009	3/9/2009	3/16/2009	3/23/2009	3/30/2009	4/6/2009	4/13/2009	4/20/2009	4/27/2009	5/4/2009	5/11/2009	5/18/2009	5/25/2009	6/1/2009	6/8/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck Pick Up Tractor/Loader/Backhoe																									
	Phase 2- Grading	Excavator Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe Vibratory Roller Water Truck																									
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane Concrete Pump Truck Concrete Truck Generator/Compressor Pick Up Rough Terrain Forklift Rubber Tired Loader Semi Truck/Flatbed																									
	Phase 4 - Roadway Demolition	Generator/Compressor Haul Truck/Flatbed Pick Up Rubber Tired Loader Tractor/Loader/Backhoe																									
	Phase 5 - Striping, Lighting, and Signing	Boom Truck Bucket Truck																									

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	6/15/2009	6/22/2009	6/29/2009	7/6/2009	7/13/2009	7/20/2009	7/27/2009	8/3/2009	8/10/2009	8/17/2009	8/24/2009	8/31/2009	9/7/2009	9/14/2009	9/21/2009	9/28/2009	10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck						0.1	0.1																		
		Pick Up						0.1	0.1																		
		Tractor/Loader/Backhoe						0.1	0.1																		
	Phase 2- Grading	Excavator																									
		Generator/Compressor																									
		Haul Truck/Flatbed																									
		Pick Up																									
		Rubber Tired Loader																									
		Tractor/Loader/Backhoe																									
		Vibratory Roller																									
		Water Truck																									
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																									
		Concrete Pump Truck																									
		Concrete Truck																									
		Generator/Compressor																									
		Pick Up																									
		Rough Terrain Forklift																									
		Rubber Tired Loader																									
		Semi Truck/Flatbed																									
	Phase 4 - Roadway Demolition	Generator/Compressor																									
		Haul Truck/Flatbed																									
		Pick Up																									
		Rubber Tired Loader																									
		Tractor/Loader/Backhoe																									
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																									
		Bucket Truck																									

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

Project	Phase	Equipment Name	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010	3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck																								
		Pick Up																								
		Tractor/Loader/Backhoe																								
	Phase 2- Grading	Excavator																								
		Generator/Compressor																								
		Haul Truck/Flatbed																								
		Pick Up																								
		Rubber Tired Loader																								
		Tractor/Loader/Backhoe																								
		Vibratory Roller																								
		Water Truck																								
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane																								
		Concrete Pump Truck																								
		Concrete Truck																								
		Generator/Compressor																								
		Pick Up																								
		Rough Terrain Forklift																								
		Rubber Tired Loader																								
		Semi Truck/Flatbed																								
	Phase 4 - Roadway Demolition	Generator/Compressor																								
		Haul Truck/Flatbed																								
		Pick Up																								
		Rubber Tired Loader																								
		Tractor/Loader/Backhoe																								
	Phase 5 - Striping, Lighting, and Signing	Boom Truck																						0.1	0.1	0.1
		Bucket Truck																						0.1	0.1	0.1

Carson Ramp Improvements
Construction PM10 Emissions
(lbs/day)

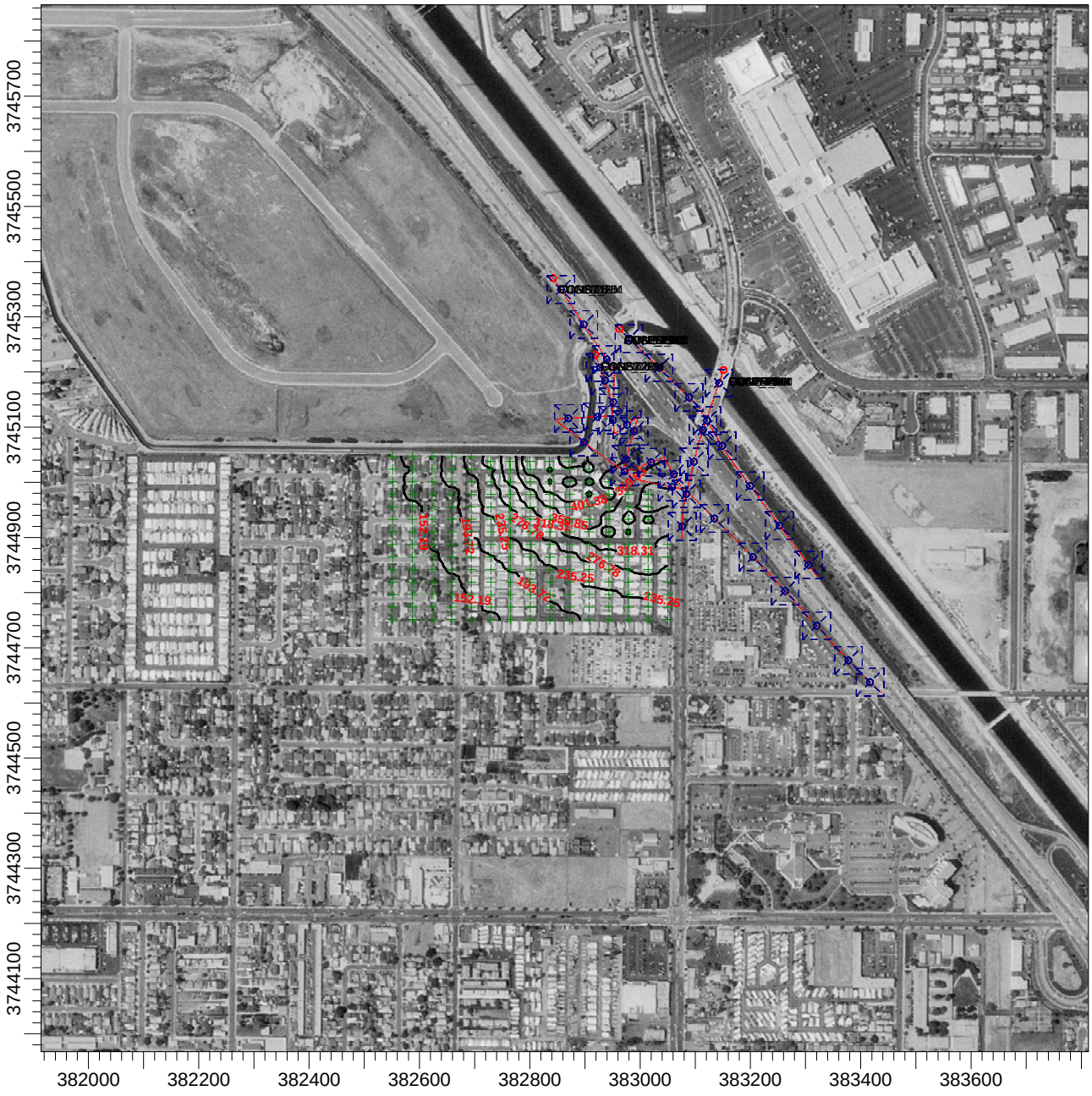
Project	Phase	Equipment Name	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010	8/2/2010	8/9/2010	Max (lbs/day)
AVALON BOULEVARD INTERCHANGE PROJECT (Stage 4)	Phase 1 - Site Preparation	Haul Truck											**0.1**
		Pick Up											**0.1**
		Tractor/Loader/Backhoe											**0.1**
	Phase 2- Grading	Excavator									0.1	0.1	**0.1**
		Generator/Compressor									0.1	0.1	**0.1**
		Haul Truck/Flatbed									0.4	0.4	**0.4**
		Pick Up									0.0	0.0	**0.0**
		Rubber Tired Loader									0.1	0.1	**0.1**
		Tractor/Loader/Backhoe									0.1	0.1	**0.1**
		Vibratory Roller									0.1	0.1	**0.1**
		Water Truck									0.1	0.1	**0.1**
	Phase 3 - Sidewalk and Boulevard Reconstruction	200 ton Crane	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Concrete Pump Truck	0.3	0.3	0.3	0.3	0.3	0.3					**0.3**
		Concrete Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Generator/Compressor	0.4	0.4	0.4	0.4	0.4	0.4					**0.4**
		Pick Up	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Rough Terrain Forklift	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Rubber Tired Loader	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Semi Truck/Flatbed	0.2	0.2	0.2	0.2	0.2	0.2					**0.2**
	Phase 4 - Roadway Demolition	Generator/Compressor							0.3	0.3			**0.3**
		Haul Truck/Flatbed							0.2	0.2			**0.2**
		Pick Up							0.1	0.1			**0.1**
		Rubber Tired Loader							0.2	0.2			**0.2**
		Tractor/Loader/Backhoe							0.2	0.2			**0.2**
	Phase 5 - Striping, Lighting, and Signing	Boom Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**
		Bucket Truck	0.1	0.1	0.1	0.1	0.1	0.1					**0.1**

Carson Ramp Improvements
ISCST3 Dispersion Modeling Input Values

Scenario	NOx (lbs/day)	Exhaust PM_{10} (lbs/day)	Fugitive PM_{10} (lbs/day)	Exhaust $PM_{2.5}$ (lbs/day)	Fugitive $PM_{2.5}$ (lbs/day)
Individual Stages					
Stage 1 Only	152.5	1.1	23.1	1.0	4.8
Stage 2 Only	135.7	2.5	25.0	2.2	5.3
Stage 3 Only	173.8	3.2	26.9	2.8	5.6
Stage 4 Only	74.5	1.3	23.3	1.2	4.9
Overlapping Stages					
Stage 1 Overlap	-				
Stage 2 Overlap	-				
Stage 3 Overlap	116.6	3.2	26.9	2.8	5.6
Stage 4 Overlap	74.5	0.3	0.2	0.3	0.0
Max (Overlapping)	191.0	3.5	27.0		
ISC Parameters					
Hours per Day	8	8	8	8	8
Seconds per Day	28800	28800	28800	28800	28800
ISC Inputs (g/s)					
Stage 1 Only	2.40254	0.01774	0.36350	0.01579	0.07634
Stage 2 Only	2.13760	0.03957	0.39376	0.03522	0.08269
Stage 3 Only	2.73781	0.04994	0.42297	0.04445	0.08882
Stage 4 Only	1.17272	0.02095	0.36654	0.01865	0.07697
Stage 1 Overlap	-	-	-	-	-
Stage 2 Overlap	-	-	-	-	-
Stage 3 Overlap	1.83576	0.04994	0.42297	0.04445	0.08882
Stage 4 Overlap	1.17272	0.00499	0.00304	0.00445	0.00064

PROJECT TITLE:

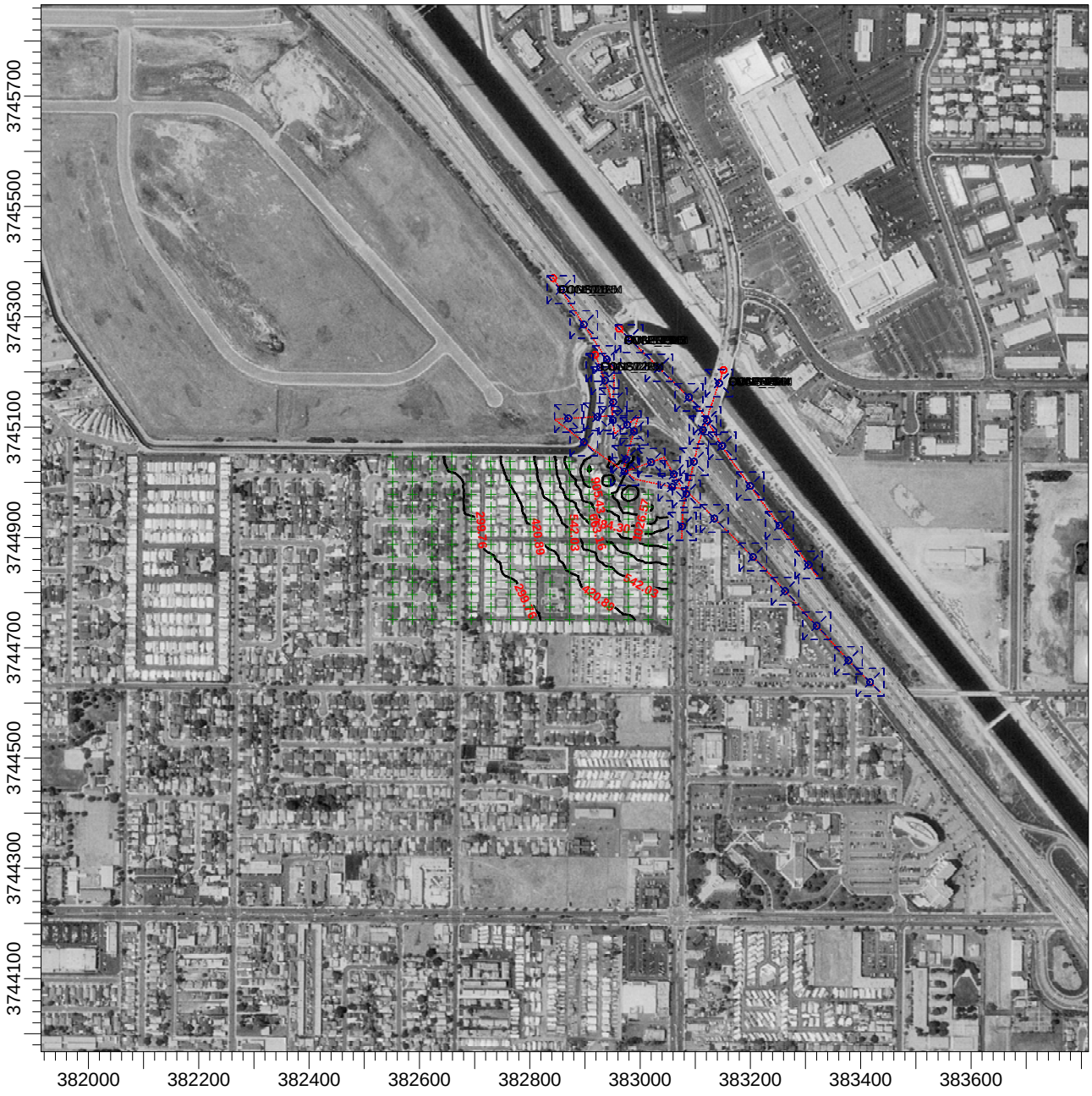
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 1 Only 1-hr NOx Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **484.4422 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

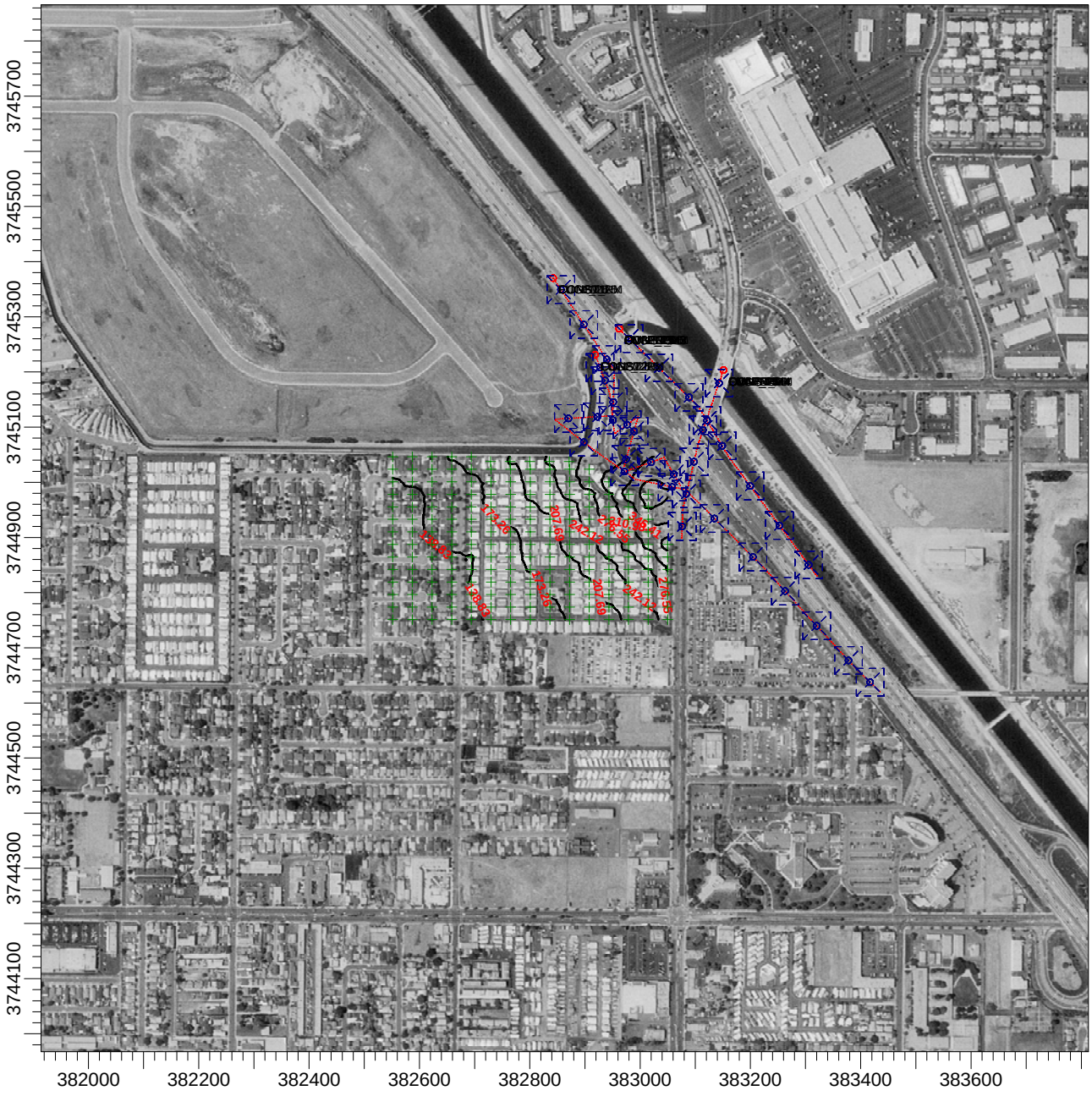
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 2 Only 1-hr NOx Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **1268.84131 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

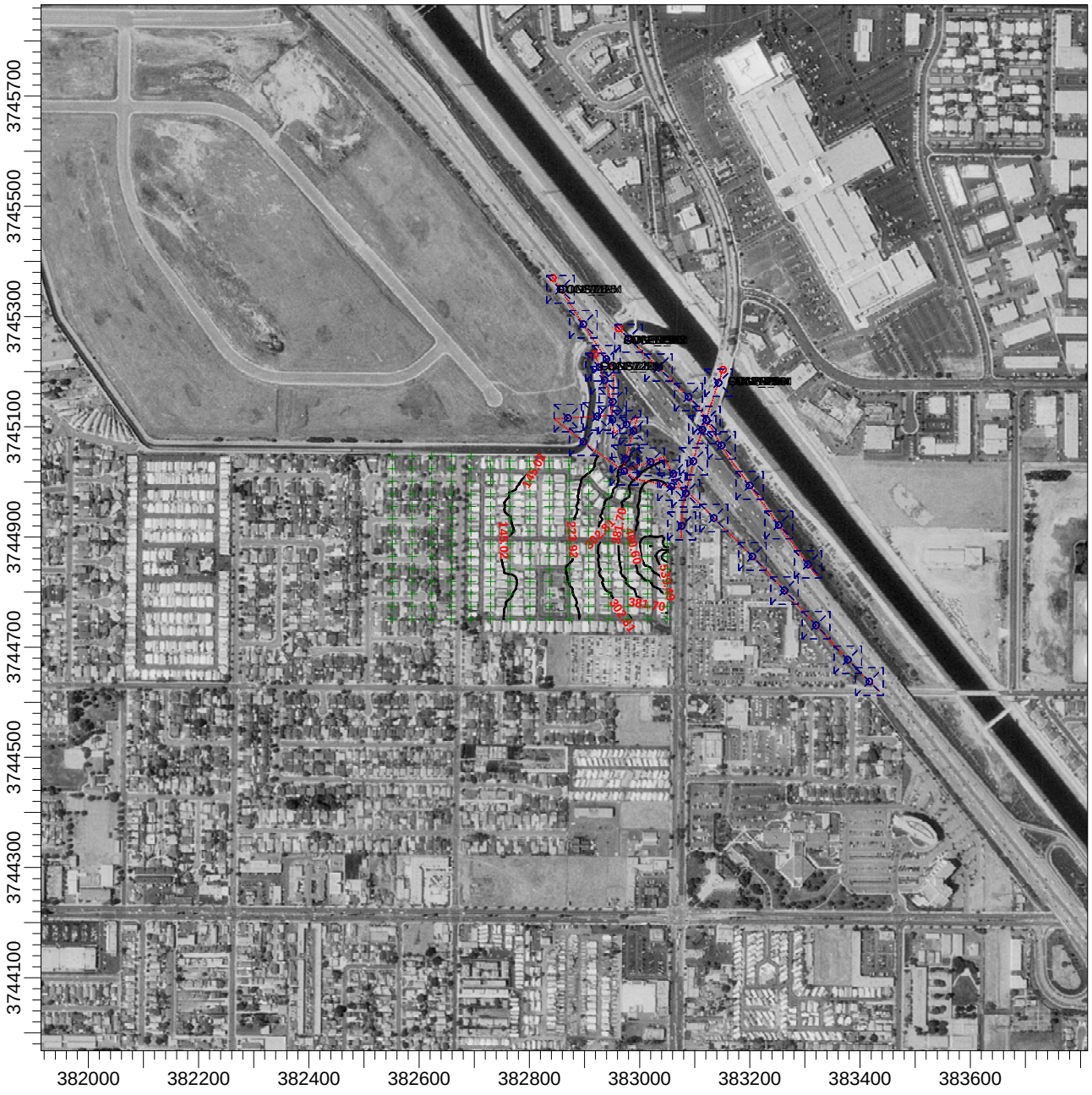
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 3 Only 1-hr NOx Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **414.26437 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

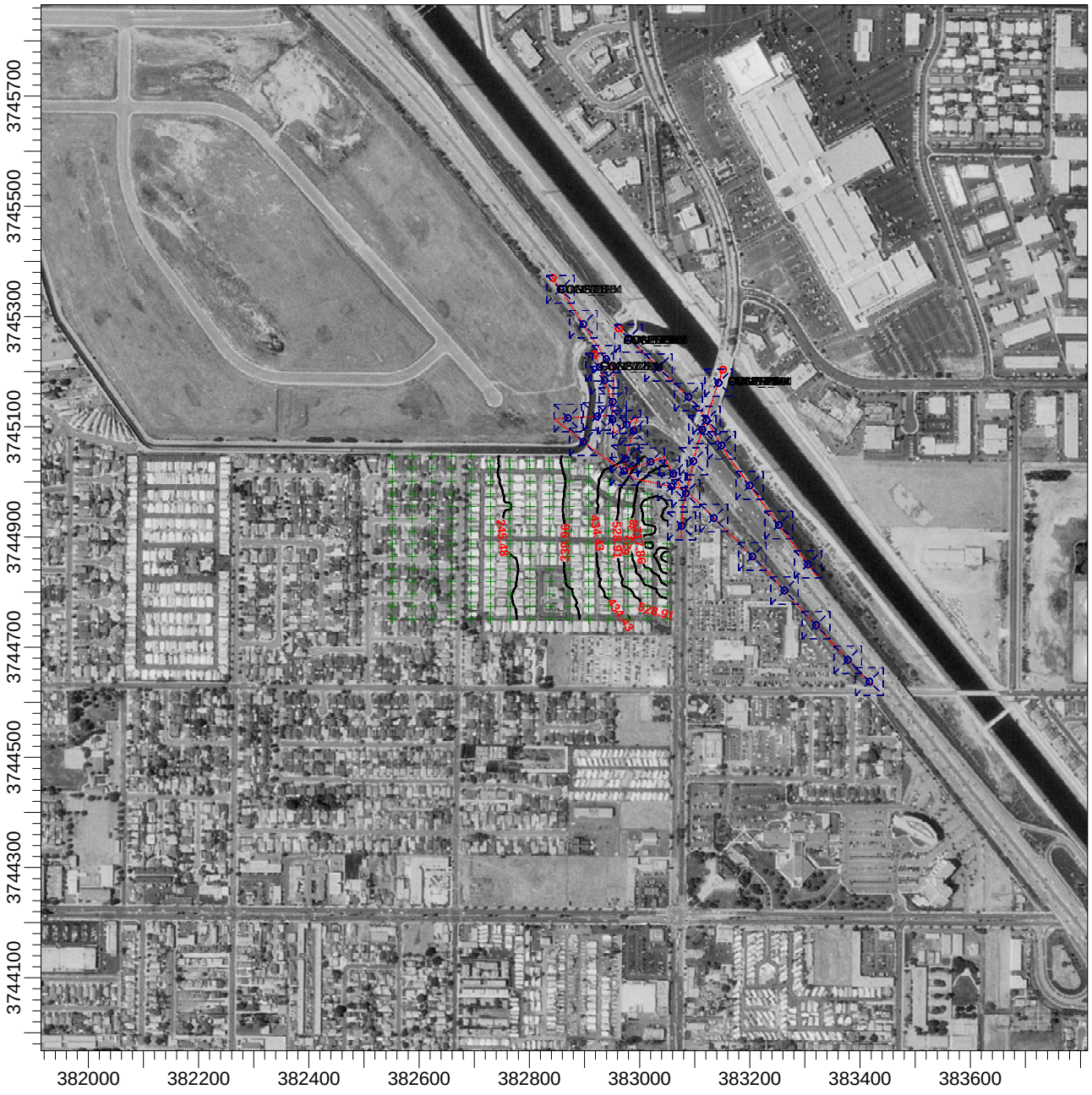
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 4 Only 1-hr NOx Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **776.17297 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

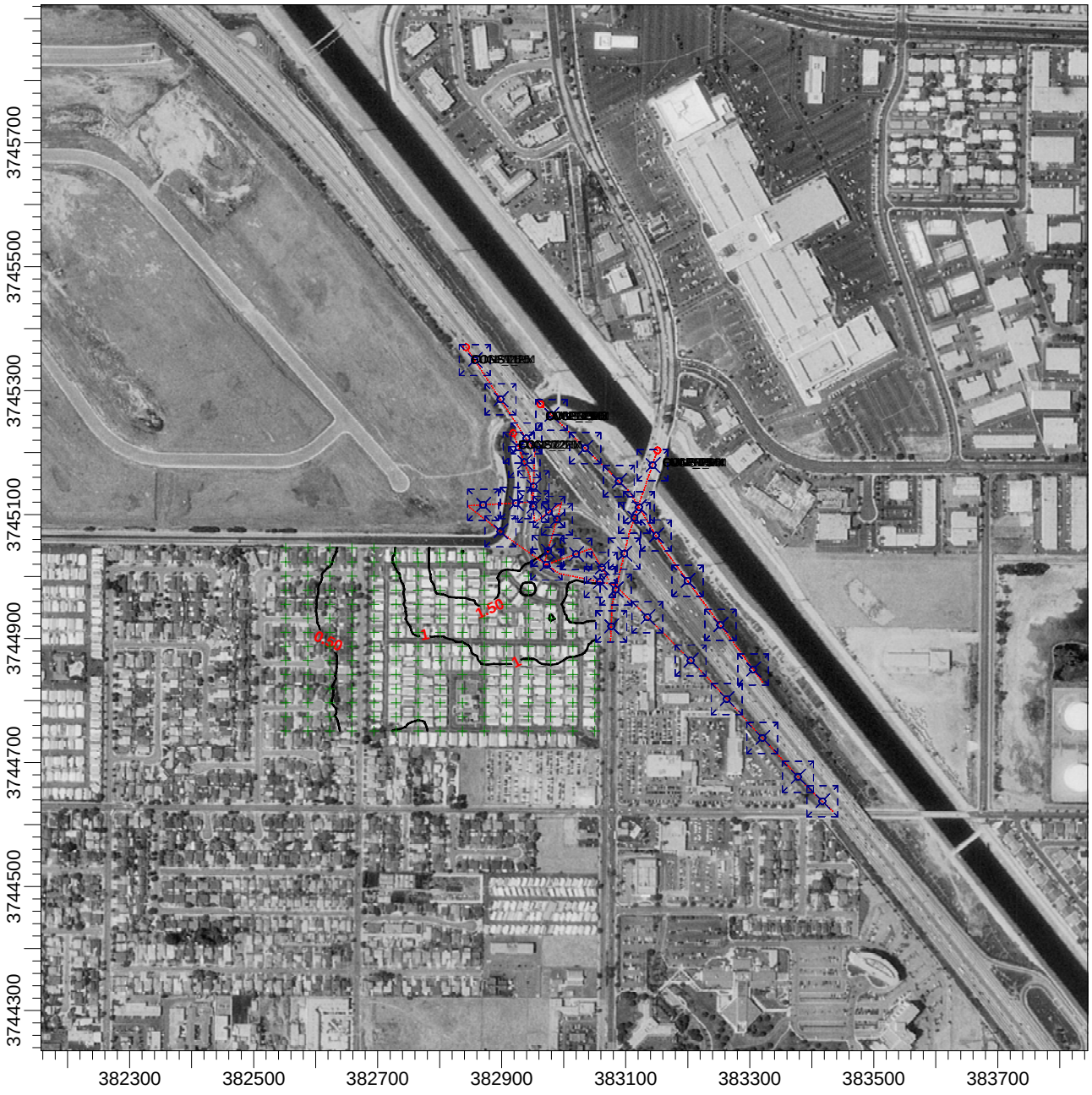
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Maximum Overlay 1-hr NOx Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **1001.28363 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

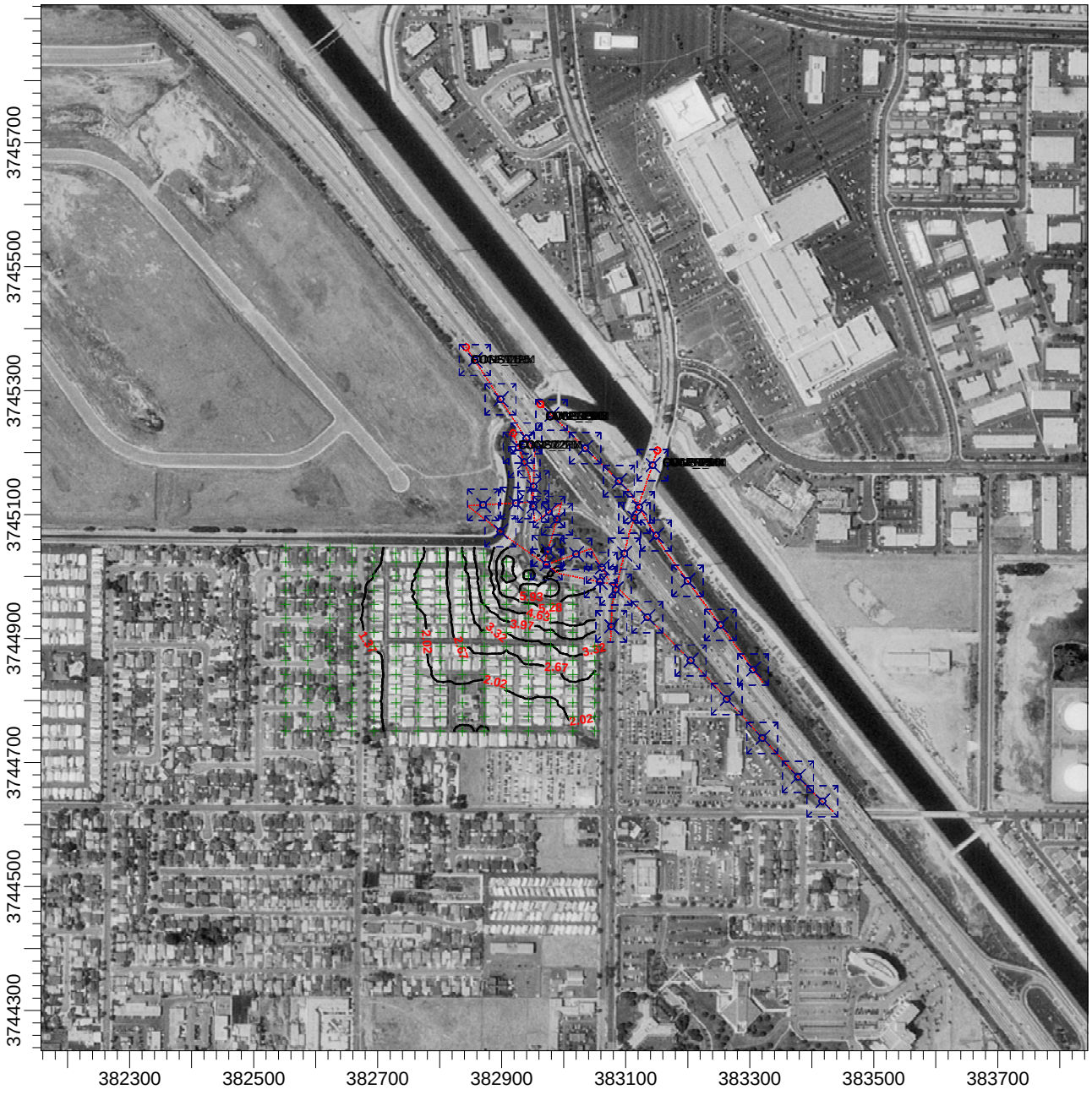
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 1 Only 24-hr PM2.5 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:10,300 0 0.3 km	
	MAX: **2.02198 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

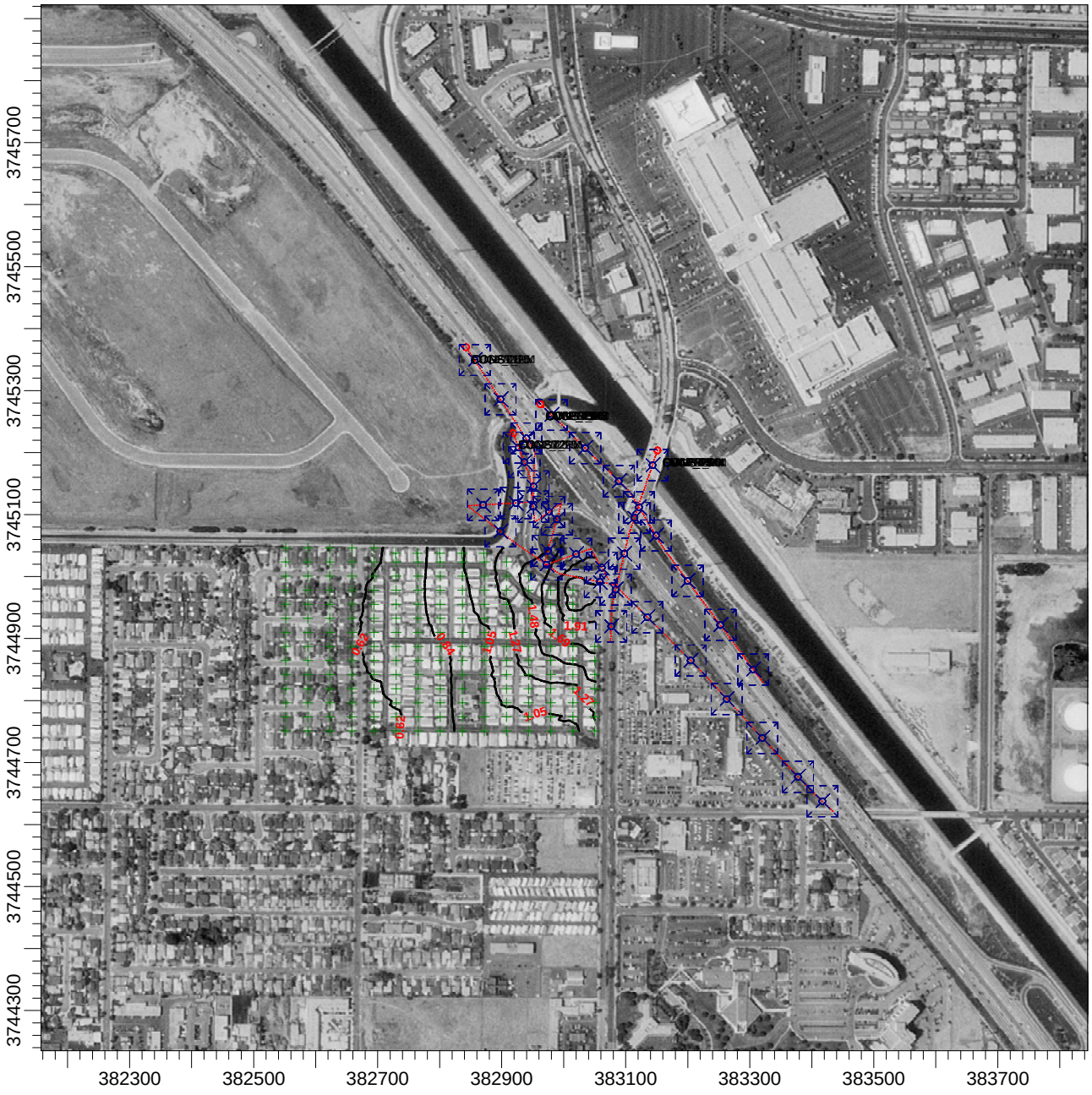
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 2 Only 24-hr PM2.5 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:10,300 0 0.3 km	
	MAX: **6.57703 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

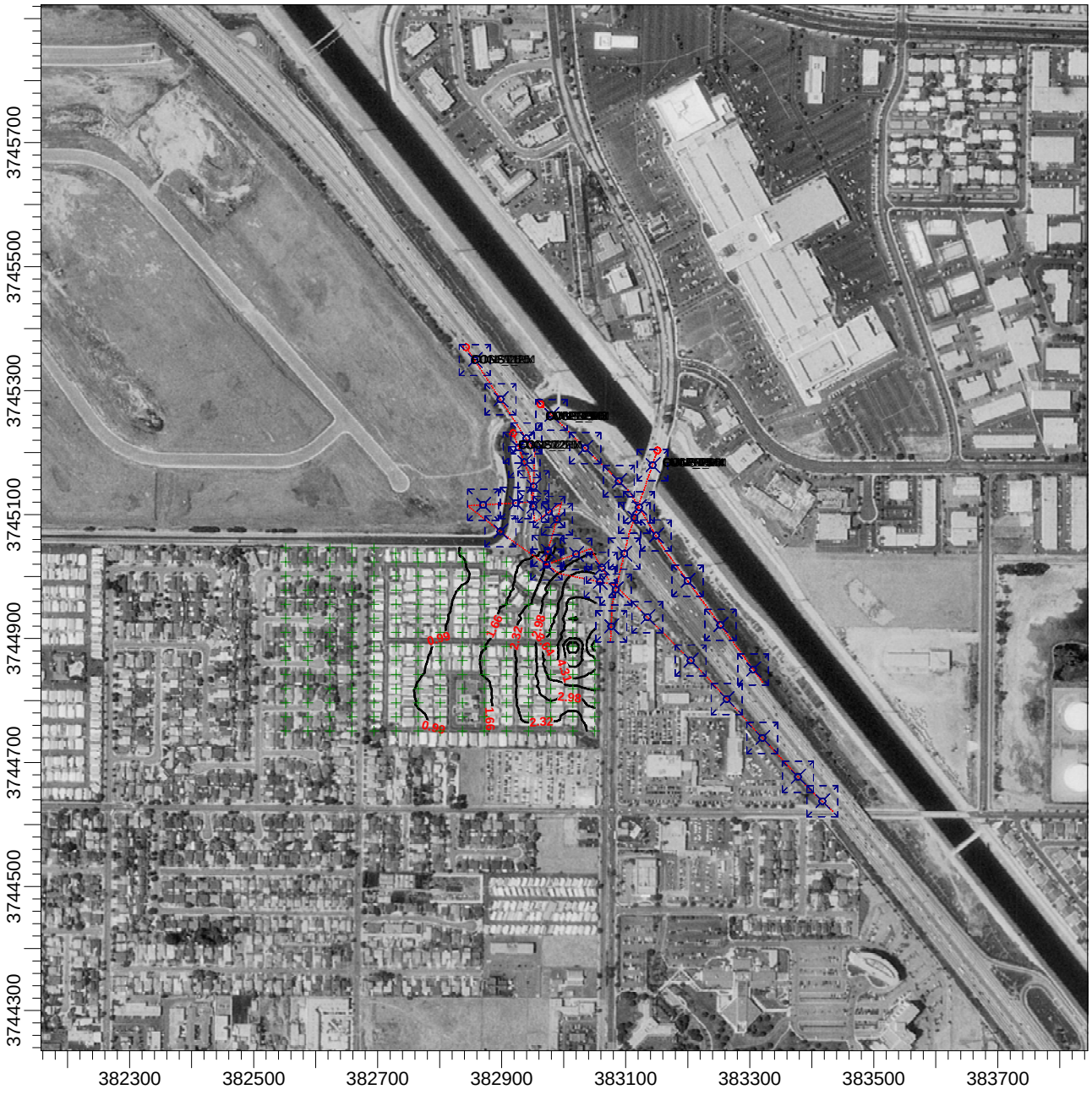
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 3 Only 24-hr PM2.5 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:10,300 0 0.3 km	
	MAX: **2.33666 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

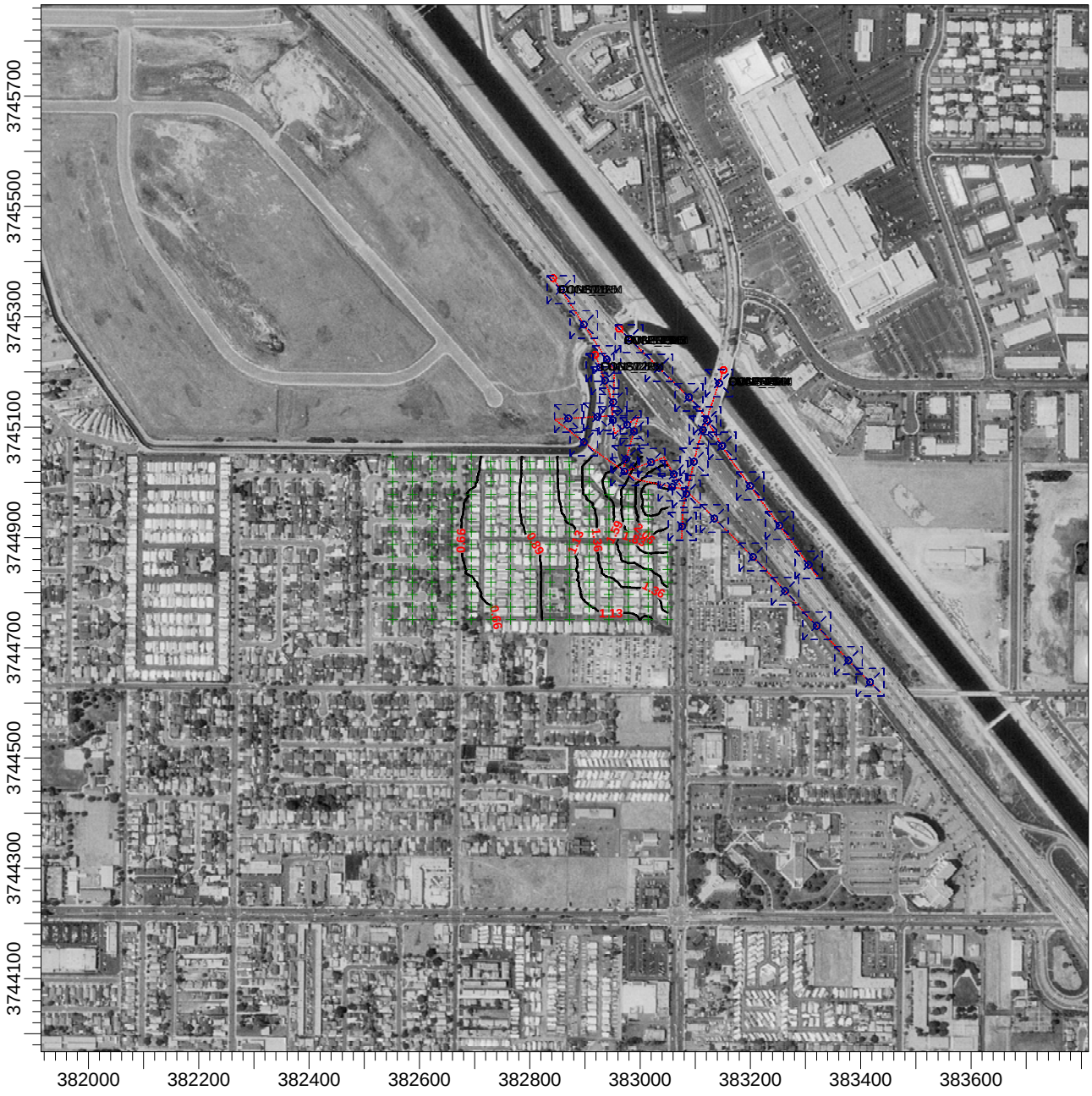
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 4 Only 24-hr PM2.5 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:10,300 0 0.3 km	
	MAX: **6.29564 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

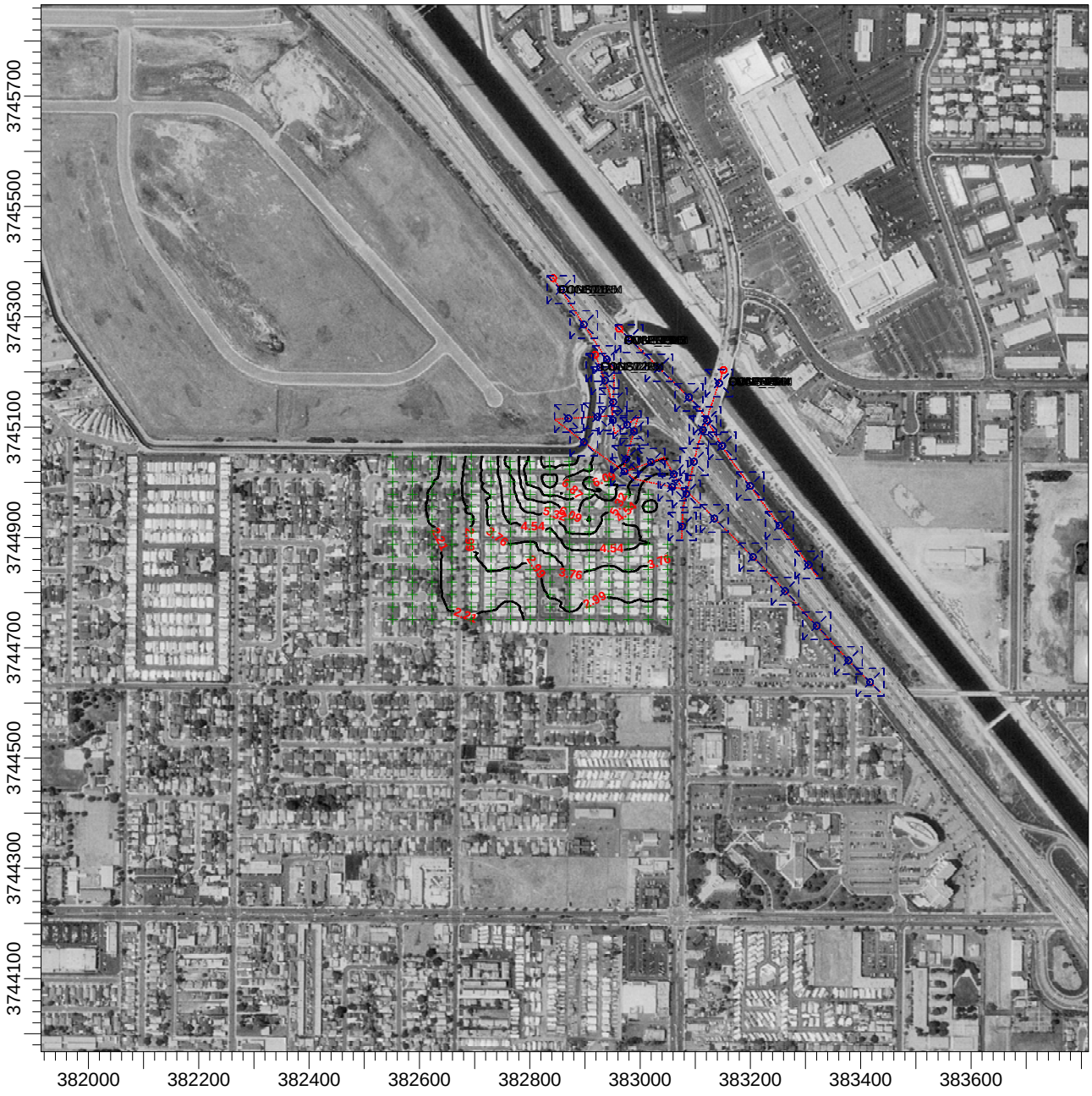
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Maximum Overlay 24-hr PM2.5 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **2.53456 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

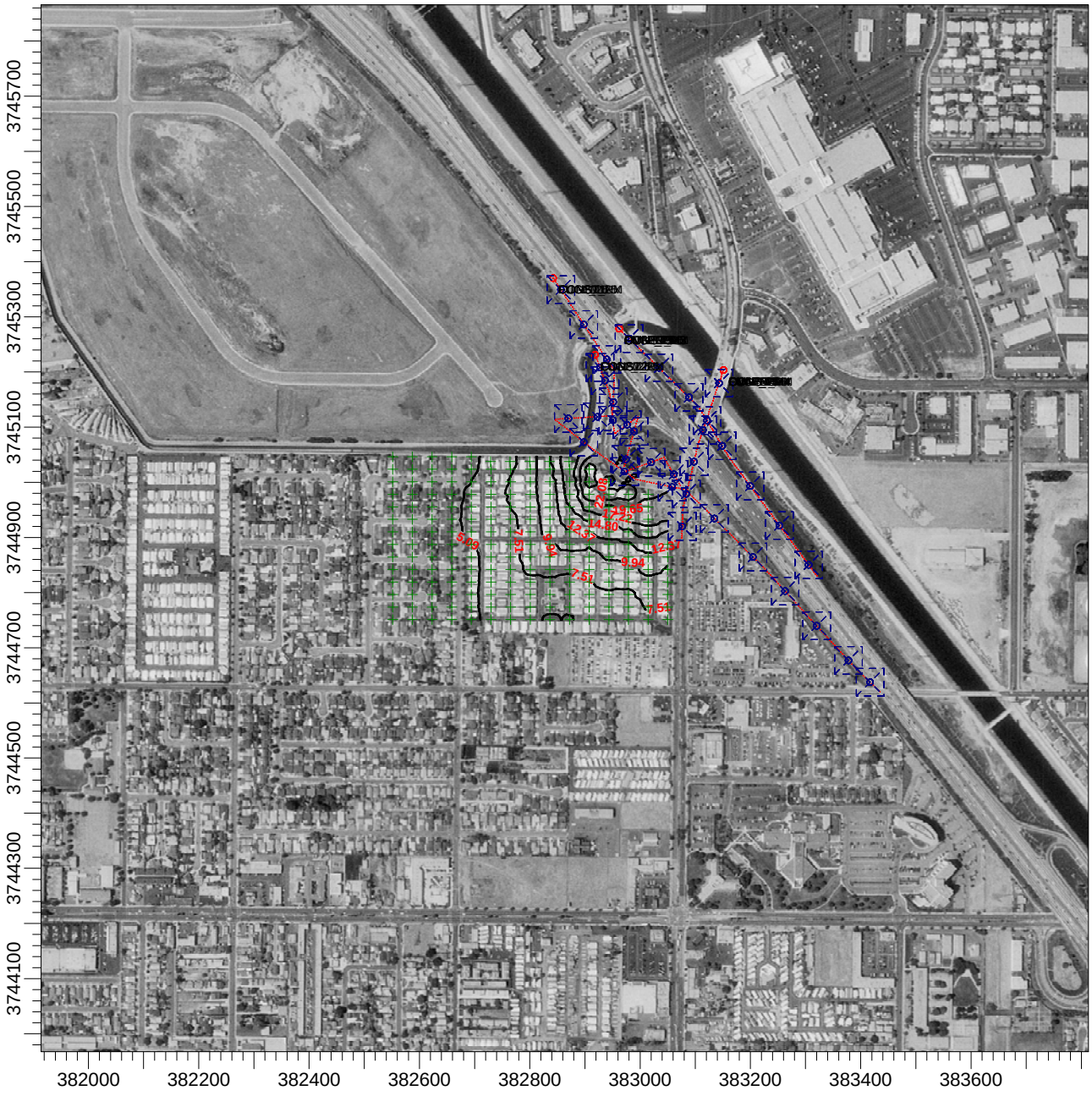
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 1 Only 24-hr PM10 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **8.4238 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

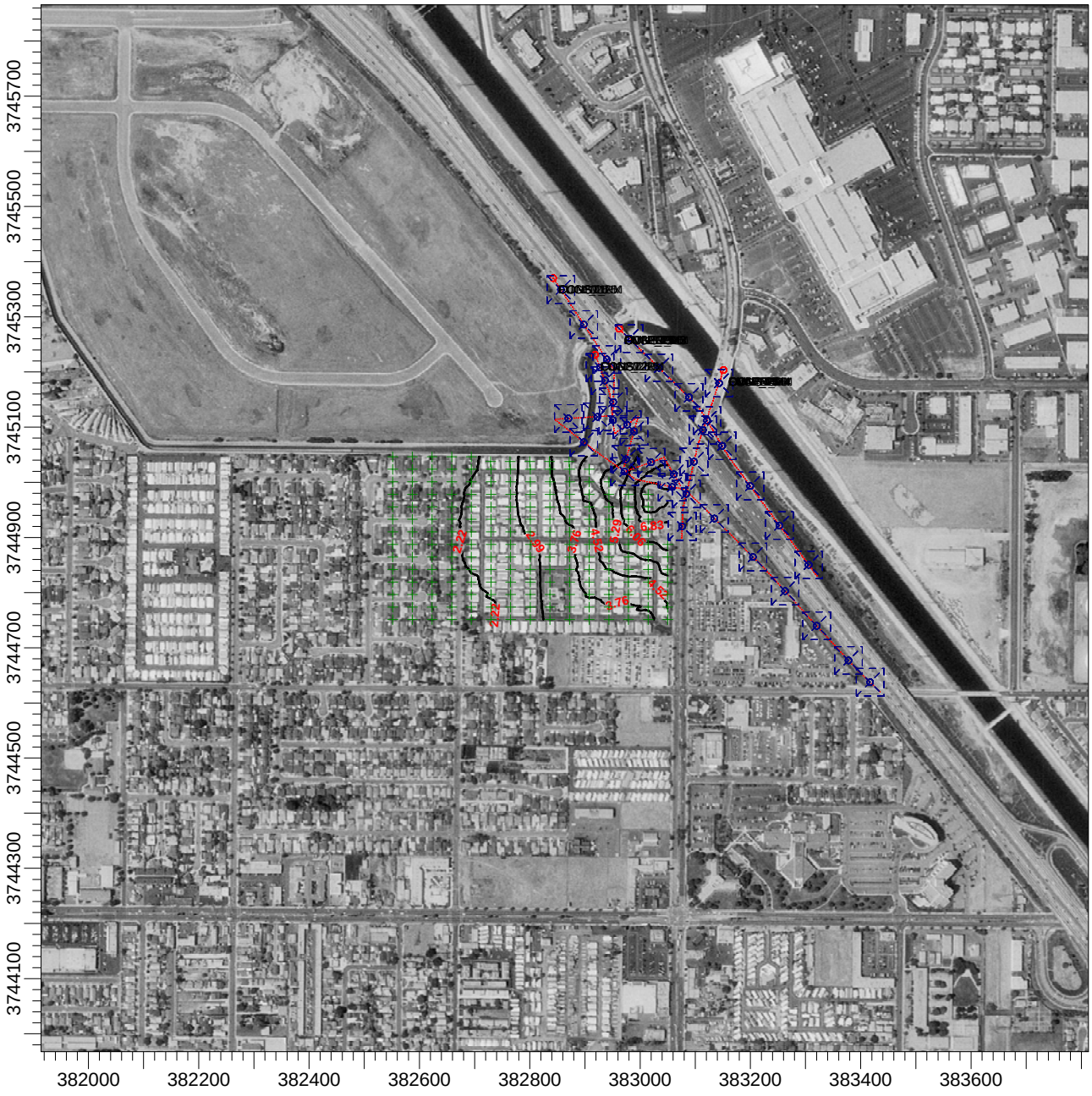
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 2 Only 24-hr PM10 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **24.503 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

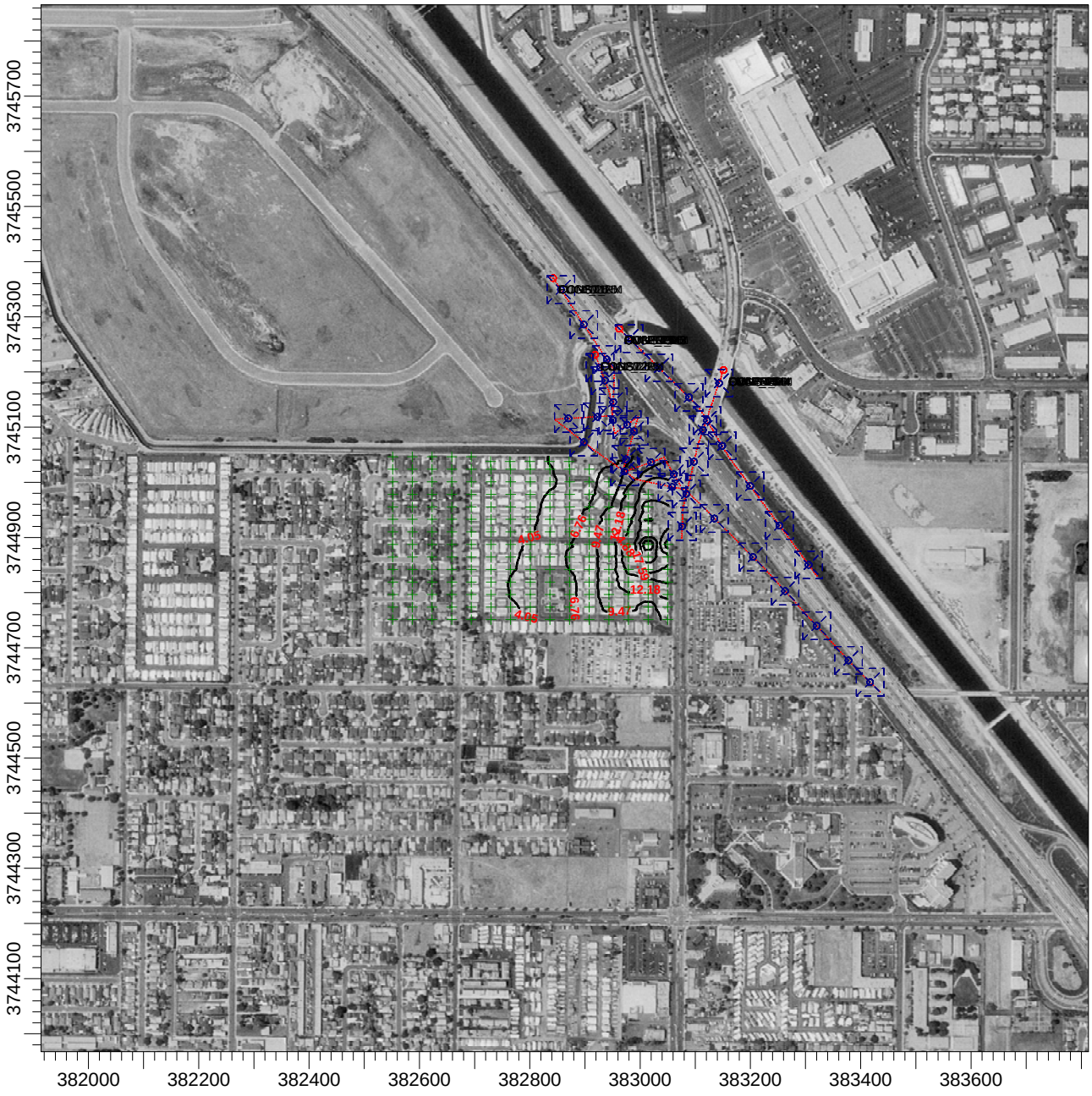
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 3 Only 24-hr PM10 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **8.36127 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

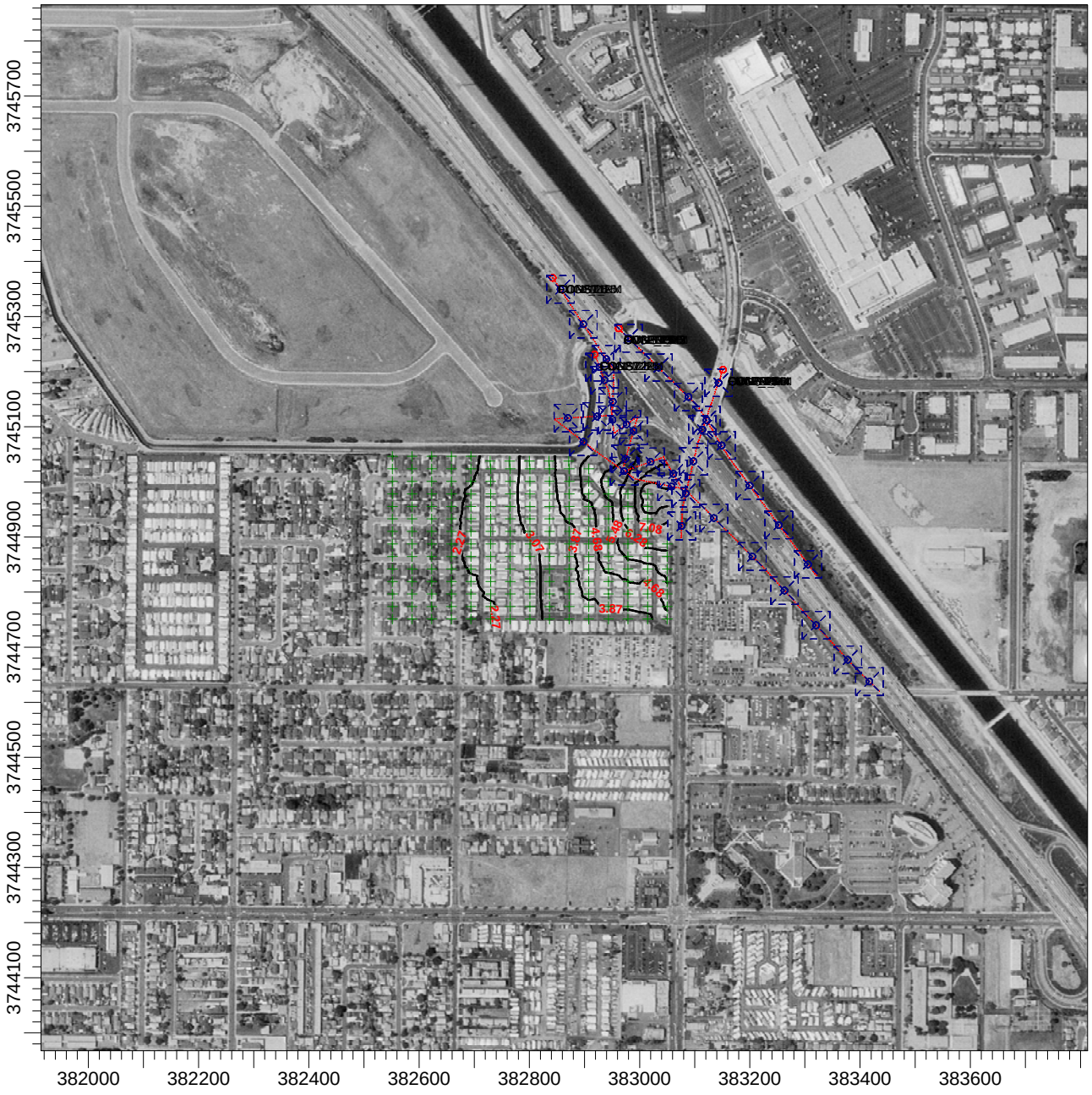
Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Stage 4 Only 24-hr PM10 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **25.72172 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

PROJECT TITLE:

Carson Ramp Improvements
Construction Emissions ISCST Modelling



COMMENTS: Carson Ramp Improvements Maximum Overlay 24-hr PM10 Concentrations	SOURCES: **30**	COMPANY NAME: **PCR Services Corporation**	
	RECEPTORS: **194**		
	OUTPUT TYPE: **CONC**	SCALE: 1:11,587 0 0.4 km	
	MAX: **8.67741 ug/m^3**	DATE: **11/9/2006**	PROJECT NO.:

Carson Ramp Improvements – Construction ISCST3 Output

```
**
**********
**
** ISCST3 Input Produced by:
** ISC-AERMOD View Ver. 5.4.0
** Lakes Environmental Software Inc.
** Date: 11/8/2006
** File: C:\Carson\Construction ISC\Const.INP
**
**********
**
**
**********
** ISCST3 Control Pathway
**********
**
**
CO STARTING
   TITLEONE C:\Carson\Construction ISC\Const.isc
   MODELOPT CONC  URBAN NOCALM HE>ZI
   AVERTIME 1 24 PERIOD
   POLLUTID PM/NOX
   TERRHGTS ELEV
   FLAGPOLE 1.80
   RUNORNOT RUN
CO FINISHED
**
**********
** ISCST3 Source Pathway
**********
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST1NX
** DESCRSRC Construction Phase 1 - NOx
** Length of Side = 50.00
** Emission Rate = 2.40254
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 10
** 382842.78, 3745369.95, 6.10, 0.00, 0.0
** 382953.63, 3745201.68, 6.10, 0.00, 35.23
** 382950.44, 3745120.34, 6.10, 0.00, 37.94
** 382845.17, 3745113.96, 10.85, 0.00, 24.53
** 382917.74, 3745057.34, 12.45, 0.00, 42.86
** 382992.70, 3745004.71, 5.83, 0.00, 42.56
** 383082.81, 3744986.37, 6.10, 0.00, 42.79
** 383222.37, 3744846.82, 6.10, 0.00, 45.89
** 383394.62, 3744658.62, 6.10, 0.00, 39.56
** 383435.29, 3744620.34, 6.10, 0.00, 25.96
** ----------
   LOCATION L0002482 VOLUME 382856.535 3745349.123 6.10
   LOCATION L0002483 VOLUME 382898.203 3745285.875 6.10
   LOCATION L0002484 VOLUME 382939.871 3745222.627 6.10
   LOCATION L0002485 VOLUME 382951.415 3745145.231 6.10
   LOCATION L0002486 VOLUME 382922.753 3745118.607 6.28
   LOCATION L0002487 VOLUME 382870.112 3745115.482 10.64
   LOCATION L0002488 VOLUME 382898.054 3745072.647 12.78
   LOCATION L0002489 VOLUME 382972.212 3745019.095 6.19
   LOCATION L0002490 VOLUME 383058.323 3744991.277 6.10
   LOCATION L0002491 VOLUME 383134.912 3744934.174 6.10
   LOCATION L0002492 VOLUME 383204.693 3744864.424 6.10
   LOCATION L0002493 VOLUME 383262.915 3744802.444 6.10
   LOCATION L0002494 VOLUME 383320.332 3744739.694 6.10
   LOCATION L0002495 VOLUME 383377.749 3744676.944 6.10
   LOCATION L0002496 VOLUME 383417.073 3744637.381 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST2NX
** DESCRSRC Construction Phase 2 - NOx
** Length of Side = 50.00
** Emission Rate = 2.1376
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 7
** 382918.54, 3745231.19, 6.10, 0.00, 0.0
** 382945.65, 3745161.01, 6.10, 0.00, 11.77
** 382953.63, 3745087.65, 6.14, 0.00, 34.27
** 382996.69, 3745118.75, 6.10, 0.00, 24.68
** 382967.98, 3745017.47, 6.36, 0.00, 24.48
** 383043.74, 3745044.59, 6.10, 0.00, 37.42
** 383074.04, 3744992.75, 6.10, 0.00, 27.89
** ----------
   LOCATION L0002497 VOLUME 382927.536 3745207.928 6.10
   LOCATION L0002498 VOLUME 382936.651 3745184.322 6.10
   LOCATION L0002499 VOLUME 382950.921 3745112.603 6.10
   LOCATION L0002500 VOLUME 382976.398 3745104.144 6.10
   LOCATION L0002501 VOLUME 382989.150 3745092.176 6.10
   LOCATION L0002502 VOLUME 382974.791 3745041.551 6.16
   LOCATION L0002503 VOLUME 383020.200 3745036.109 6.10
   LOCATION L0002504 VOLUME 383061.405 3745014.327 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST3NX
** DESCRSRC Construction Phase 3 - NOx
** Length of Side = 50.00
** Emission Rate = 2.73781
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
   LOCATION L0002505 VOLUME 382980.228 3745260.718 5.48
   LOCATION L0002506 VOLUME 383034.578 3745207.250 4.57
   LOCATION L0002507 VOLUME 383088.928 3745153.782 4.33
   LOCATION L0002508 VOLUME 383121.396 3745111.817 4.58
   LOCATION L0002509 VOLUME 383148.896 3745065.942 4.92
   LOCATION L0002510 VOLUME 383199.786 3744993.097 5.41
   LOCATION L0002511 VOLUME 383252.692 3744921.597 5.74
   LOCATION L0002512 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST4NX
** DESCRSRC Construction Phase 4 - NOx
** Length of Side = 50.00
** Emission Rate = 1.17272
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
   LOCATION L0002513 VOLUME 383143.278 3745179.608 5.79
   LOCATION L0002514 VOLUME 383114.066 3745094.642 5.64
   LOCATION L0002515 VOLUME 383097.808 3745037.062 6.10
   LOCATION L0002516 VOLUME 383083.855 3744978.812 6.10
   LOCATION L0002517 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST1PM
** DESCRSRC Construction Phase 1 - PM
** Length of Side = 50.00
** Emission Rate = 0.01774
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 10
** 382842.78, 3745369.95, 6.10, 0.00, 0.0
** 382953.63, 3745201.68, 6.10, 0.00, 35.23
** 382950.44, 3745120.34, 6.10, 0.00, 37.94
** 382845.17, 3745113.96, 10.85, 0.00, 24.53
** 382917.74, 3745057.34, 12.45, 0.00, 42.86
** 382992.70, 3745004.71, 5.83, 0.00, 42.56
** 383082.81, 3744986.37, 6.10, 0.00, 42.79
** 383222.37, 3744846.82, 6.10, 0.00, 45.89
** 383394.62, 3744658.62, 6.10, 0.00, 39.56
** 383435.29, 3744620.34, 6.10, 0.00, 25.96
** ----------
   LOCATION L0002683 VOLUME 382856.535 3745349.123 6.10
   LOCATION L0002684 VOLUME 382898.203 3745285.875 6.10
   LOCATION L0002685 VOLUME 382939.871 3745222.627 6.10
   LOCATION L0002686 VOLUME 382951.415 3745145.231 6.10
   LOCATION L0002687 VOLUME 382922.753 3745118.607 6.28
   LOCATION L0002688 VOLUME 382870.112 3745115.482 10.64
   LOCATION L0002689 VOLUME 382898.054 3745072.647 12.78
   LOCATION L0002690 VOLUME 382972.212 3745019.095 6.19
   LOCATION L0002691 VOLUME 383058.323 3744991.277 6.10
   LOCATION L0002692 VOLUME 383134.912 3744934.174 6.10
   LOCATION L0002693 VOLUME 383204.693 3744864.424 6.10
   LOCATION L0002694 VOLUME 383262.915 3744802.444 6.10
   LOCATION L0002695 VOLUME 383320.332 3744739.694 6.10
   LOCATION L0002696 VOLUME 383377.749 3744676.944 6.10
   LOCATION L0002697 VOLUME 383417.073 3744637.381 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST2PM
** DESCRSRC Construction Phase 2 - PM
** Length of Side = 50.00
** Emission Rate = 0.03957
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 7
** 382918.54, 3745231.19, 6.10, 0.00, 0.0
** 382945.65, 3745161.01, 6.10, 0.00, 11.77
** 382953.63, 3745087.65, 6.14, 0.00, 34.27
** 382996.69, 3745118.75, 6.10, 0.00, 24.68
** 382967.98, 3745017.47, 6.36, 0.00, 24.48
** 383043.74, 3745044.59, 6.10, 0.00, 37.42
** 383074.04, 3744992.75, 6.10, 0.00, 27.89
** ----------
   LOCATION L0002698 VOLUME 382927.536 3745207.928 6.10
   LOCATION L0002699 VOLUME 382936.651 3745184.322 6.10
   LOCATION L0002700 VOLUME 382950.921 3745112.603 6.10
   LOCATION L0002701 VOLUME 382976.398 3745104.144 6.10
   LOCATION L0002702 VOLUME 382989.150 3745092.176 6.10
   LOCATION L0002703 VOLUME 382974.791 3745041.551 6.16
   LOCATION L0002704 VOLUME 383020.200 3745036.109 6.10
   LOCATION L0002705 VOLUME 383061.405 3745014.327 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST3PM
** DESCRSRC Construction Phase 3 - PM
** Length of Side = 50.00
** Emission Rate = 0.04994
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
   LOCATION L0002706 VOLUME 382980.228 3745260.718 5.48
   LOCATION L0002707 VOLUME 383034.578 3745207.250 4.57
   LOCATION L0002708 VOLUME 383088.928 3745153.782 4.33
   LOCATION L0002709 VOLUME 383121.396 3745111.817 4.58
   LOCATION L0002710 VOLUME 383148.896 3745065.942 4.92
   LOCATION L0002711 VOLUME 383199.786 3744993.097 5.41
   LOCATION L0002712 VOLUME 383252.692 3744921.597 5.74
   LOCATION L0002713 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONST4PM
** DESCRSRC Construction Phase 4 - PM
** Length of Side = 50.00
** Emission Rate = 0.02095
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
```

** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
LOCATION L0002714 VOLUME 383143.278 3745179.608 5.79
LOCATION L0002715 VOLUME 383114.066 3745094.642 5.64
LOCATION L0002716 VOLUME 383097.808 3745037.062 6.10
LOCATION L0002717 VOLUME 383083.855 3744978.812 6.10
LOCATION L0002718 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OVLPNOX3
** DESCRSRC Overlapping Construction Phase 3 - NOx
** Length of Side = 50.00
** Emission Rate = 1.83576
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
LOCATION L0002554 VOLUME 382980.228 3745260.718 5.48
LOCATION L0002555 VOLUME 383034.578 3745207.250 4.57
LOCATION L0002556 VOLUME 383088.928 3745153.782 4.33
LOCATION L0002557 VOLUME 383121.396 3745111.817 4.58
LOCATION L0002558 VOLUME 383148.896 3745065.942 4.92
LOCATION L0002559 VOLUME 383199.786 3744993.097 5.41
LOCATION L0002560 VOLUME 383252.692 3744921.597 5.74
LOCATION L0002561 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OVLPNOX4
** DESCRSRC Overlapping Construction Phase 4 - NOx
** Length of Side = 50.00
** Emission Rate = 1.17272
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
LOCATION L0002562 VOLUME 383143.278 3745179.608 5.79
LOCATION L0002563 VOLUME 383114.066 3745094.642 5.64
LOCATION L0002564 VOLUME 383097.808 3745037.062 6.10
LOCATION L0002565 VOLUME 383083.855 3744978.812 6.10
LOCATION L0002566 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OVLPEPM4
** DESCRSRC Overlapping Construction Phase 4 - PM (Exhaust)
** Length of Side = 50.00
** Emission Rate = 0.00499
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
LOCATION L0002745 VOLUME 383143.278 3745179.608 5.79
LOCATION L0002746 VOLUME 383114.066 3745094.642 5.64
LOCATION L0002747 VOLUME 383097.808 3745037.062 6.10
LOCATION L0002748 VOLUME 383083.855 3744978.812 6.10
LOCATION L0002749 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OVLPEPM3
** DESCRSRC Overlapping Construction Phase 3 - PM (Exhaust)
** Length of Side = 50.00
** Emission Rate = 0.04994
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
LOCATION L0002750 VOLUME 382980.228 3745260.718 5.48
LOCATION L0002751 VOLUME 383034.578 3745207.250 4.57
LOCATION L0002752 VOLUME 383088.928 3745153.782 4.33
LOCATION L0002753 VOLUME 383121.396 3745111.817 4.58
LOCATION L0002754 VOLUME 383148.896 3745065.942 4.92
LOCATION L0002755 VOLUME 383199.786 3744993.097 5.41
LOCATION L0002756 VOLUME 383252.692 3744921.597 5.74
LOCATION L0002757 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUGPM1
** DESCRSRC Construction Phase 1 - PM (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.3635
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 10
** 382842.78, 3745369.95, 6.10, 0.00, 0.0
** 382953.63, 3745201.68, 6.10, 0.00, 35.23
** 382950.44, 3745120.34, 6.10, 0.00, 37.94
** 382845.17, 3745113.96, 10.85, 0.00, 24.53
** 382917.74, 3745057.34, 12.45, 0.00, 42.86
** 382992.70, 3745004.71, 5.83, 0.00, 42.56
** 383082.81, 3744986.37, 6.10, 0.00, 42.79
** 383222.37, 3744846.82, 6.10, 0.00, 45.89
** 383394.62, 3744658.62, 6.10, 0.00, 39.56
** 383435.29, 3744620.34, 6.10, 0.00, 25.96
** ----------
LOCATION L0002812 VOLUME 382856.535 3745349.123 6.10
LOCATION L0002813 VOLUME 382898.203 3745285.875 6.10
LOCATION L0002814 VOLUME 382939.871 3745222.627 6.10
LOCATION L0002815 VOLUME 382951.415 3745145.231 6.10
LOCATION L0002816 VOLUME 382922.753 3745118.607 6.28
LOCATION L0002817 VOLUME 382870.112 3745115.482 10.64
LOCATION L0002818 VOLUME 382898.054 3745072.647 12.78
LOCATION L0002819 VOLUME 382972.212 3745019.095 6.19
LOCATION L0002820 VOLUME 383058.323 3744991.277 6.10
LOCATION L0002821 VOLUME 383134.912 3744934.174 6.10
LOCATION L0002822 VOLUME 383204.693 3744864.424 6.10
LOCATION L0002823 VOLUME 383262.915 3744802.444 6.10
LOCATION L0002824 VOLUME 383320.332 3744739.694 6.10
LOCATION L0002825 VOLUME 383377.749 3744676.944 6.10
LOCATION L0002826 VOLUME 383417.073 3744637.381 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUGPM2
** DESCRSRC Construction Phase 2 - PM (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.39376
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 7
** 382918.54, 3745231.19, 6.10, 0.00, 0.0
** 382945.65, 3745161.01, 6.10, 0.00, 11.77
** 382953.63, 3745087.65, 6.14, 0.00, 34.27
** 382996.69, 3745118.75, 6.10, 0.00, 24.68
** 382967.98, 3745017.47, 6.36, 0.00, 24.48
** 383043.74, 3745044.59, 6.10, 0.00, 37.42
** 383074.04, 3744992.75, 6.10, 0.00, 27.89
** ----------
LOCATION L0002827 VOLUME 382927.536 3745207.928 6.10
LOCATION L0002828 VOLUME 382936.651 3745184.322 6.10
LOCATION L0002829 VOLUME 382950.921 3745112.603 6.10
LOCATION L0002830 VOLUME 382976.398 3745104.144 6.10
LOCATION L0002831 VOLUME 382989.150 3745092.176 6.10
LOCATION L0002832 VOLUME 382974.791 3745041.551 6.16
LOCATION L0002833 VOLUME 383020.200 3745036.109 6.10
LOCATION L0002834 VOLUME 383061.405 3745014.327 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUGPM3
** DESCRSRC Construction Phase 3 - PM (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.42297
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
LOCATION L0002835 VOLUME 382980.228 3745260.718 5.48
LOCATION L0002836 VOLUME 383034.578 3745207.250 4.57
LOCATION L0002837 VOLUME 383088.928 3745153.782 4.33
LOCATION L0002838 VOLUME 383121.396 3745111.817 4.58
LOCATION L0002839 VOLUME 383148.896 3745065.942 4.92
LOCATION L0002840 VOLUME 383199.786 3744993.097 5.41
LOCATION L0002841 VOLUME 383252.692 3744921.597 5.74
LOCATION L0002842 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUGPM4
** DESCRSRC Construction Phase 4 - PM (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.36654
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
LOCATION L0002843 VOLUME 383143.278 3745179.608 5.79
LOCATION L0002844 VOLUME 383114.066 3745094.642 5.64
LOCATION L0002845 VOLUME 383097.808 3745037.062 6.10
LOCATION L0002846 VOLUME 383083.855 3744978.812 6.10
LOCATION L0002847 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OVLPFPM4
** DESCRSRC Overlapping Construction Phase 4 - PM (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.00304
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
LOCATION L0002807 VOLUME 383143.278 3745179.608 5.79
LOCATION L0002808 VOLUME 383114.066 3745094.642 5.64
LOCATION L0002809 VOLUME 383097.808 3745037.062 6.10
LOCATION L0002810 VOLUME 383083.855 3744978.812 6.10
LOCATION L0002811 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OVLPFPM3
** DESCRSRC Overlapping Construction Phase 3 - PM (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.42297
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
LOCATION L0002799 VOLUME 382980.228 3745260.718 5.48
LOCATION L0002800 VOLUME 383034.578 3745207.250 4.57
LOCATION L0002801 VOLUME 383088.928 3745153.782 4.33
LOCATION L0002802 VOLUME 383121.396 3745111.817 4.58
LOCATION L0002803 VOLUME 383148.896 3745065.942 4.92

```
   LOCATION L0002804 VOLUME 383199.786 3744993.097 5.41
   LOCATION L0002805 VOLUME 383252.692 3744921.597 5.74
   LOCATION L0002806 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONS1_25
** DESCRSRC Construction Phase 1 - PM2.5 (Exhaust)
** Length of Side = 50.00
** Emission Rate = 0.01579
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 10
** 382842.78, 3745369.95, 6.10, 0.00, 0.0
** 382953.63, 3745201.68, 6.10, 0.00, 35.23
** 382950.44, 3745120.34, 6.10, 0.00, 37.94
** 382845.17, 3745113.96, 10.85, 0.00, 24.53
** 382917.74, 3745057.34, 12.45, 0.00, 42.86
** 382992.70, 3745004.71, 5.83, 0.00, 42.56
** 383082.81, 3744986.37, 6.10, 0.00, 42.79
** 383222.37, 3744846.82, 6.10, 0.00, 45.89
** 383394.62, 3744658.62, 6.10, 0.00, 39.56
** 383435.29, 3744620.34, 6.10, 0.00, 25.96
** ----------
   LOCATION L0003052 VOLUME 382856.535 3745349.123 6.10
   LOCATION L0003053 VOLUME 382898.203 3745285.875 6.10
   LOCATION L0003054 VOLUME 382939.871 3745222.627 6.10
   LOCATION L0003055 VOLUME 382951.415 3745145.231 6.10
   LOCATION L0003056 VOLUME 382922.753 3745118.607 6.28
   LOCATION L0003057 VOLUME 382870.112 3745115.482 10.64
   LOCATION L0003058 VOLUME 382898.054 3745072.647 12.78
   LOCATION L0003059 VOLUME 382972.212 3745019.095 6.19
   LOCATION L0003060 VOLUME 383058.323 3744991.277 6.10
   LOCATION L0003061 VOLUME 383134.912 3744934.174 6.10
   LOCATION L0003062 VOLUME 383204.693 3744864.424 6.10
   LOCATION L0003063 VOLUME 383262.915 3744802.444 6.10
   LOCATION L0003064 VOLUME 383320.332 3744739.694 6.10
   LOCATION L0003065 VOLUME 383377.749 3744676.944 6.10
   LOCATION L0003066 VOLUME 383417.073 3744637.381 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONS2_25
** DESCRSRC Construction Phase 2 - PM2.5 (Exhaust)
** Length of Side = 50.00
** Emission Rate = 0.03522
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 7
** 382918.54, 3745231.19, 6.10, 0.00, 0.0
** 382945.65, 3745161.01, 6.10, 0.00, 11.77
** 382953.63, 3745087.65, 6.14, 0.00, 34.27
** 382996.69, 3745118.75, 6.10, 0.00, 24.68
** 382967.98, 3745017.47, 6.36, 0.00, 24.48
** 383043.74, 3745044.59, 6.10, 0.00, 37.42
** 383074.04, 3744992.75, 6.10, 0.00, 27.89
** ----------
   LOCATION L0003067 VOLUME 382927.536 3745207.928 6.10
   LOCATION L0003068 VOLUME 382936.651 3745184.322 6.10
   LOCATION L0003069 VOLUME 382950.921 3745112.603 6.10
   LOCATION L0003070 VOLUME 382976.398 3745104.144 6.10
   LOCATION L0003071 VOLUME 382989.150 3745092.176 6.10
   LOCATION L0003072 VOLUME 382974.791 3745041.551 6.16
   LOCATION L0003073 VOLUME 383020.200 3745036.109 6.10
   LOCATION L0003074 VOLUME 383061.405 3745014.327 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONS3_25
** DESCRSRC Construction Phase 3 - PM2.5 (Exhaust)
** Length of Side = 50.00
** Emission Rate = 0.04445
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
   LOCATION L0003075 VOLUME 382980.228 3745260.718 5.48
   LOCATION L0003076 VOLUME 383034.578 3745207.250 4.57
   LOCATION L0003077 VOLUME 383088.928 3745153.782 4.33
   LOCATION L0003078 VOLUME 383121.396 3745111.817 4.58
   LOCATION L0003079 VOLUME 383148.896 3745065.942 4.92
   LOCATION L0003080 VOLUME 383199.786 3744993.097 5.41
   LOCATION L0003081 VOLUME 383252.692 3744921.597 5.74
   LOCATION L0003082 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = CONS4_25
** DESCRSRC Construction Phase 4 - PM2.5 (Exhaust)
** Length of Side = 50.00
** Emission Rate = 0.01865
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
   LOCATION L0003083 VOLUME 383143.278 3745179.608 5.79
   LOCATION L0003084 VOLUME 383114.066 3745094.642 5.64
   LOCATION L0003085 VOLUME 383097.808 3745037.062 6.10
   LOCATION L0003086 VOLUME 383083.855 3744978.812 6.10
   LOCATION L0003087 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUG1_25
** DESCRSRC Construction Phase 1 - PM2.5 (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.07634
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 10
** 382842.78, 3745369.95, 6.10, 0.00, 0.0
** 382953.63, 3745201.68, 6.10, 0.00, 35.23
** 382950.44, 3745120.34, 6.10, 0.00, 37.94
** 382845.17, 3745113.96, 10.85, 0.00, 24.53
** 382917.74, 3745057.34, 12.45, 0.00, 42.86
** 382992.70, 3745004.71, 5.83, 0.00, 42.56
** 383082.81, 3744986.37, 6.10, 0.00, 42.79
** 383222.37, 3744846.82, 6.10, 0.00, 45.89
** 383394.62, 3744658.62, 6.10, 0.00, 39.56
** 383435.29, 3744620.34, 6.10, 0.00, 25.96
** ----------
   LOCATION L0003088 VOLUME 382856.535 3745349.123 6.10
   LOCATION L0003089 VOLUME 382898.203 3745285.875 6.10
   LOCATION L0003090 VOLUME 382939.871 3745222.627 6.10
   LOCATION L0003091 VOLUME 382951.415 3745145.231 6.10
   LOCATION L0003092 VOLUME 382922.753 3745118.607 6.28
   LOCATION L0003093 VOLUME 382870.112 3745115.482 10.64
   LOCATION L0003094 VOLUME 382898.054 3745072.647 12.78
   LOCATION L0003095 VOLUME 382972.212 3745019.095 6.19
   LOCATION L0003096 VOLUME 383058.323 3744991.277 6.10
   LOCATION L0003097 VOLUME 383134.912 3744934.174 6.10
   LOCATION L0003098 VOLUME 383204.693 3744864.424 6.10
   LOCATION L0003099 VOLUME 383262.915 3744802.444 6.10
   LOCATION L0003100 VOLUME 383320.332 3744739.694 6.10
   LOCATION L0003101 VOLUME 383377.749 3744676.944 6.10
   LOCATION L0003102 VOLUME 383417.073 3744637.381 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUG2_25
** DESCRSRC Construction Phase 2 - PM2.5 (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.08269
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 7
** 382918.54, 3745231.19, 6.10, 0.00, 0.0
** 382945.65, 3745161.01, 6.10, 0.00, 11.77
** 382953.63, 3745087.65, 6.14, 0.00, 34.27
** 382996.69, 3745118.75, 6.10, 0.00, 24.68
** 382967.98, 3745017.47, 6.36, 0.00, 24.48
** 383043.74, 3745044.59, 6.10, 0.00, 37.42
** 383074.04, 3744992.75, 6.10, 0.00, 27.89
** ----------
   LOCATION L0003103 VOLUME 382927.536 3745207.928 6.10
   LOCATION L0003104 VOLUME 382936.651 3745184.322 6.10
   LOCATION L0003105 VOLUME 382950.921 3745112.603 6.10
   LOCATION L0003106 VOLUME 382976.398 3745104.144 6.10
   LOCATION L0003107 VOLUME 382989.150 3745092.176 6.10
   LOCATION L0003108 VOLUME 382974.791 3745041.551 6.16
   LOCATION L0003109 VOLUME 383020.200 3745036.109 6.10
   LOCATION L0003110 VOLUME 383061.405 3745014.327 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUG3_25
** DESCRSRC Construction Phase 3 - PM2.5 (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.08882
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
   LOCATION L0003111 VOLUME 382980.228 3745260.718 5.48
   LOCATION L0003112 VOLUME 383034.578 3745207.250 4.57
   LOCATION L0003113 VOLUME 383088.928 3745153.782 4.33
   LOCATION L0003114 VOLUME 383121.396 3745111.817 4.58
   LOCATION L0003115 VOLUME 383148.896 3745065.942 4.92
   LOCATION L0003116 VOLUME 383199.786 3744993.097 5.41
   LOCATION L0003117 VOLUME 383252.692 3744921.597 5.74
   LOCATION L0003118 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = FUG4_25
** DESCRSRC Construction Phase 4 - PM2.5 (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.07697
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
   LOCATION L0003119 VOLUME 383143.278 3745179.608 5.79
   LOCATION L0003120 VOLUME 383114.066 3745094.642 5.64
   LOCATION L0003121 VOLUME 383097.808 3745037.062 6.10
   LOCATION L0003122 VOLUME 383083.855 3744978.812 6.10
   LOCATION L0003123 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OV4E_25
** DESCRSRC Overlapping Construction Phase 4 - PM2.5 (Exhaust)
** Length of Side = 50.00
** Emission Rate = 0.00445
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
   LOCATION L0003137 VOLUME 383143.278 3745179.608 5.79
   LOCATION L0003138 VOLUME 383114.066 3745094.642 5.64
   LOCATION L0003139 VOLUME 383097.808 3745037.062 6.10
   LOCATION L0003140 VOLUME 383083.855 3744978.812 6.10
   LOCATION L0003141 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OV3E_25
** DESCRSRC Overlapping Construction Phase 3 - PM2.5 (Exhaust)
** Length of Side = 50.00
```

```
** Emission Rate = 0.04445
** Elevated
** Vertical Dimension = 5.00
** SZINIT = 1.16
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
   LOCATION L0003142 VOLUME 382980.228 3745260.718 5.48
   LOCATION L0003143 VOLUME 383034.578 3745207.250 4.57
   LOCATION L0003144 VOLUME 383088.928 3745153.782 4.33
   LOCATION L0003145 VOLUME 383121.396 3745111.817 4.58
   LOCATION L0003146 VOLUME 383148.896 3745065.942 4.92
   LOCATION L0003147 VOLUME 383199.786 3744993.097 5.41
   LOCATION L0003148 VOLUME 383252.692 3744921.597 5.74
   LOCATION L0003149 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OV4F_25
** DESCRSRC Overlapping Construction Phase 4 - PM2.5 (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.00064
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 383151.40, 3745203.28, 5.79, 0.00, 0.0
** 383105.94, 3745070.90, 6.10, 0.00, 41.79
** 383078.03, 3744954.47, 6.10, 0.00, 27.86
** 383075.64, 3744894.66, 6.10, 0.00, 27.81
** ----------
   LOCATION L0003150 VOLUME 383143.278 3745179.608 5.79
   LOCATION L0003151 VOLUME 383114.066 3745094.642 5.64
   LOCATION L0003152 VOLUME 383097.808 3745037.062 6.10
   LOCATION L0003153 VOLUME 383083.855 3744978.812 6.10
   LOCATION L0003154 VOLUME 383076.631 3744919.730 6.10
** End of Line Source
** Line Source represented by Separated Volume Sources
** ----------
** LINE Source ID = OV3F_25
** DESCRSRC Overlapping Construction Phase 3 - PM2.5 (Fugitive)
** Length of Side = 50.00
** Emission Rate = 0.08882
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 4
** 382962.40, 3745278.24, 5.67, 0.00, 0.0
** 383106.74, 3745136.29, 4.31, 0.00, 35.46
** 383161.76, 3745044.59, 5.09, 0.00, 24.88
** 383320.46, 3744830.07, 6.10, 0.00, 41.37
** ----------
   LOCATION L0003155 VOLUME 382980.228 3745260.718 5.48
   LOCATION L0003156 VOLUME 383034.578 3745207.250 4.57
   LOCATION L0003157 VOLUME 383088.928 3745153.782 4.33
   LOCATION L0003158 VOLUME 383121.396 3745111.817 4.58
   LOCATION L0003159 VOLUME 383148.896 3745065.942 4.92
   LOCATION L0003160 VOLUME 383199.786 3744993.097 5.41
   LOCATION L0003161 VOLUME 383252.692 3744921.597 5.74
   LOCATION L0003162 VOLUME 383305.598 3744850.097 5.89
** End of Line Source
** Source Parameters **
   SRCPARAM L0002482 0.160169333333333 0.00 35.23 1.16
   SRCPARAM L0002483 0.160169333333333 0.00 35.23 1.16
   SRCPARAM L0002484 0.160169333333333 0.00 35.23 1.16
   SRCPARAM L0002485 0.160169333333333 0.00 37.94 1.16
   SRCPARAM L0002486 0.160169333333333 0.00 24.53 1.16
   SRCPARAM L0002487 0.160169333333333 0.00 24.53 1.16
   SRCPARAM L0002488 0.160169333333333 0.00 42.86 1.16
   SRCPARAM L0002489 0.160169333333333 0.00 42.56 1.16
   SRCPARAM L0002490 0.160169333333333 0.00 42.79 1.16
   SRCPARAM L0002491 0.160169333333333 0.00 45.89 1.16
   SRCPARAM L0002492 0.160169333333333 0.00 45.89 1.16
   SRCPARAM L0002493 0.160169333333333 0.00 39.56 1.16
   SRCPARAM L0002494 0.160169333333333 0.00 39.56 1.16
   SRCPARAM L0002495 0.160169333333333 0.00 39.56 1.16
   SRCPARAM L0002496 0.160169333333333 0.00 25.96 1.16
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   SRCPARAM L0002498 0.2672 0.00 11.77 1.16
   SRCPARAM L0002499 0.2672 0.00 34.27 1.16
   SRCPARAM L0002500 0.2672 0.00 24.68 1.16
   SRCPARAM L0002501 0.2672 0.00 24.48 1.16
   SRCPARAM L0002502 0.2672 0.00 24.48 1.16
   SRCPARAM L0002503 0.2672 0.00 37.42 1.16
   SRCPARAM L0002504 0.2672 0.00 27.89 1.16
   SRCPARAM L0002505 0.34222625 0.00 35.46 1.16
   SRCPARAM L0002506 0.34222625 0.00 35.46 1.16
   SRCPARAM L0002507 0.34222625 0.00 35.46 1.16
   SRCPARAM L0002508 0.34222625 0.00 24.88 1.16
   SRCPARAM L0002509 0.34222625 0.00 24.88 1.16
   SRCPARAM L0002510 0.34222625 0.00 41.37 1.16
   SRCPARAM L0002511 0.34222625 0.00 41.37 1.16
   SRCPARAM L0002512 0.34222625 0.00 41.37 1.16
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   SRCPARAM L0002514 0.234544 0.00 41.79 1.16
   SRCPARAM L0002515 0.234544 0.00 27.86 1.16
   SRCPARAM L0002516 0.234544 0.00 27.86 1.16
   SRCPARAM L0002517 0.234544 0.00 27.81 1.16
   SRCPARAM L0002683 0.00118266666666667 0.00 35.23 1.16
   SRCPARAM L0002684 0.00118266666666667 0.00 35.23 1.16
   SRCPARAM L0002685 0.00118266666666667 0.00 35.23 1.16
   SRCPARAM L0002686 0.00118266666666667 0.00 37.94 1.16
   SRCPARAM L0002687 0.00118266666666667 0.00 24.53 1.16
   SRCPARAM L0002688 0.00118266666666667 0.00 24.53 1.16
   SRCPARAM L0002689 0.00118266666666667 0.00 42.86 1.16
   SRCPARAM L0002690 0.00118266666666667 0.00 42.56 1.16
   SRCPARAM L0002691 0.00118266666666667 0.00 42.79 1.16
   SRCPARAM L0002692 0.00118266666666667 0.00 45.89 1.16
   SRCPARAM L0002693 0.00118266666666667 0.00 45.89 1.16
   SRCPARAM L0002694 0.00118266666666667 0.00 39.56 1.16
   SRCPARAM L0002695 0.00118266666666667 0.00 39.56 1.16
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   SRCPARAM L0002698 0.00494625 0.00 11.77 1.16
   SRCPARAM L0002699 0.00494625 0.00 11.77 1.16
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   SRCPARAM L0002702 0.00494625 0.00 24.48 1.16
   SRCPARAM L0002703 0.00494625 0.00 24.48 1.16
   SRCPARAM L0002704 0.00494625 0.00 37.42 1.16
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   SRCPARAM L0002707 0.0062425 0.00 35.46 1.16
   SRCPARAM L0002708 0.0062425 0.00 35.46 1.16
   SRCPARAM L0002709 0.0062425 0.00 24.88 1.16
   SRCPARAM L0002710 0.0062425 0.00 24.88 1.16
   SRCPARAM L0002711 0.0062425 0.00 41.37 1.16
   SRCPARAM L0002712 0.0062425 0.00 41.37 1.16
   SRCPARAM L0002713 0.0062425 0.00 41.37 1.16
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   SRCPARAM L0002562 0.234544 0.00 41.79 1.16
   SRCPARAM L0002563 0.234544 0.00 41.79 1.16
   SRCPARAM L0002564 0.234544 0.00 27.86 1.16
   SRCPARAM L0002565 0.234544 0.00 27.86 1.16
   SRCPARAM L0002566 0.234544 0.00 27.81 1.16
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   SRCPARAM L0002747 0.000998 0.00 27.86 1.16
   SRCPARAM L0002748 0.000998 0.00 27.86 1.16
   SRCPARAM L0002749 0.000998 0.00 27.81 1.16
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   SRCPARAM L0002751 0.0062425 0.00 35.46 1.16
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   SRCPARAM L0002756 0.0062425 0.00 41.37 1.16
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   SRCPARAM L0002816 0.0242333333333333 0.00 24.53 0.47
   SRCPARAM L0002817 0.0242333333333333 0.00 24.53 0.47
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   SRCPARAM L0002822 0.0242333333333333 0.00 45.89 0.47
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   SRCPARAM L0002824 0.0242333333333333 0.00 39.56 0.47
   SRCPARAM L0002825 0.0242333333333333 0.00 39.56 0.47
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   SRCPARAM L0002839 0.05287125 0.00 24.88 0.47
   SRCPARAM L0002840 0.05287125 0.00 41.37 0.47
   SRCPARAM L0002841 0.05287125 0.00 41.37 0.47
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   SRCPARAM L0002845 0.073308 0.00 27.86 0.47
   SRCPARAM L0002846 0.073308 0.00 27.86 0.47
   SRCPARAM L0002847 0.073308 0.00 27.81 0.47
   SRCPARAM L0002807 0.000608 0.00 41.79 0.47
   SRCPARAM L0002808 0.000608 0.00 41.79 0.47
   SRCPARAM L0002809 0.000608 0.00 27.86 0.47
   SRCPARAM L0002810 0.000608 0.00 27.86 0.47
   SRCPARAM L0002811 0.000608 0.00 27.81 0.47
   SRCPARAM L0002799 0.05287125 0.00 35.46 0.47
   SRCPARAM L0002800 0.05287125 0.00 35.46 0.47
   SRCPARAM L0002801 0.05287125 0.00 35.46 0.47
   SRCPARAM L0002802 0.05287125 0.00 24.88 0.47
   SRCPARAM L0002803 0.05287125 0.00 24.88 0.47
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   SRCPARAM L0002806 0.05287125 0.00 41.37 0.47
   SRCPARAM L0003052 0.00105266666666667 0.00 35.23 1.16
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   SRCPARAM L0003057 0.00105266666666667 0.00 24.53 1.16
   SRCPARAM L0003058 0.00105266666666667 0.00 42.86 1.16
   SRCPARAM L0003059 0.00105266666666667 0.00 42.56 1.16
   SRCPARAM L0003060 0.00105266666666667 0.00 42.79 1.16
   SRCPARAM L0003061 0.00105266666666667 0.00 45.89 1.16
   SRCPARAM L0003062 0.00105266666666667 0.00 45.89 1.16
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   SRCPARAM L0003064 0.00105266666666667 0.00 39.56 1.16
   SRCPARAM L0003065 0.00105266666666667 0.00 39.56 1.16
   SRCPARAM L0003066 0.00105266666666667 0.00 25.96 1.16
   SRCPARAM L0003067 0.0044025 0.00 11.77 1.16
   SRCPARAM L0003068 0.0044025 0.00 11.77 1.16
   SRCPARAM L0003069 0.0044025 0.00 34.27 1.16
   SRCPARAM L0003070 0.0044025 0.00 24.68 1.16
   SRCPARAM L0003071 0.0044025 0.00 24.48 1.16
   SRCPARAM L0003072 0.0044025 0.00 24.48 1.16
   SRCPARAM L0003073 0.0044025 0.00 37.42 1.16
   SRCPARAM L0003074 0.0044025 0.00 27.89 1.16
   SRCPARAM L0003075 0.00555625 0.00 35.46 1.16
   SRCPARAM L0003076 0.00555625 0.00 35.46 1.16
   SRCPARAM L0003077 0.00555625 0.00 35.46 1.16
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 SRCGROUP OVLP-NOX L0002560 L0002561 L0002562 L0002563 L0002564 L0002565
 SRCGROUP OVLP-NOX L0002566
 SRCGROUP OVLP-PM L0002745 L0002746 L0002747 L0002748 L0002749 L0002750
 SRCGROUP OVLP-PM L0002751 L0002752 L0002753 L0002754 L0002755 L0002756
 SRCGROUP OVLP-PM L0002757 L0002799 L0002800 L0002801 L0002802 L0002803
 SRCGROUP OVLP-PM L0002804 L0002805 L0002806 L0002807 L0002808 L0002809
 SRCGROUP OVLP-PM L0002810 L0002811
 SRCGROUP CONS1_25 L0003052 L0003053 L0003054 L0003055 L0003056 L0003057
 SRCGROUP CONS1_25 L0003058 L0003059 L0003060 L0003061 L0003062 L0003063
 SRCGROUP CONS1_25 L0003064 L0003065 L0003066 L0003088 L0003089 L0003090
 SRCGROUP CONS1_25 L0003091 L0003092 L0003093 L0003094 L0003095 L0003096
 SRCGROUP CONS1_25 L0003097 L0003098 L0003099 L0003100 L0003101 L0003102
 SRCGROUP CONS2_25 L0003067 L0003068 L0003069 L0003070 L0003071 L0003072
 SRCGROUP CONS2_25 L0003073 L0003074 L0003103 L0003104 L0003105 L0003106
 SRCGROUP CONS2_25 L0003107 L0003108 L0003109 L0003110
 SRCGROUP CONS3_25 L0003075 L0003076 L0003077 L0003078 L0003079 L0003080
 SRCGROUP CONS3_25 L0003081 L0003082 L0003111 L0003112 L0003113 L0003114
 SRCGROUP CONS3_25 L0003115 L0003116 L0003117 L0003118
 SRCGROUP CONS4_25 L0003083 L0003084 L0003085 L0003086 L0003087 L0003119
 SRCGROUP CONS4_25 L0003120 L0003121 L0003122 L0003123
 SRCGROUP OVLP_25 L0003142 L0003143 L0003144 L0003145 L0003146 L0003147
 SRCGROUP OVLP_25 L0003148 L0003149 L0003155 L0003156 L0003157 L0003158
 SRCGROUP OVLP_25 L0003159 L0003160 L0003161 L0003162 L0003137 L0003138
 SRCGROUP OVLP_25 L0003139 L0003140 L0003141 L0003150 L0003151 L0003152
 SRCGROUP OVLP_25 L0003153 L0003154
SO FINISHED
**
****************************************
** ISCST3 Receptor Pathway
****************************************
**
**
RE STARTING
** DESCRREC "UCART1" "Receptors generated from Uniform Cartesian Grid"
 DISCCART  382551.78  3744750.85   4.56  1.80
 DISCCART  382587.39  3744750.85   3.32  1.80
 DISCCART  382623.00  3744750.85   3.38  1.80
 DISCCART  382658.61  3744750.85   3.66  1.80
 DISCCART  382694.22  3744750.85   3.71  1.80
 DISCCART  382729.83  3744750.85   3.35  1.80
 DISCCART  382765.44  3744750.85   3.05  1.80
 DISCCART  382801.05  3744750.85   3.05  1.80
 DISCCART  382836.66  3744750.85   3.05  1.80
 DISCCART  382872.27  3744750.85   3.05  1.80
 DISCCART  382907.88  3744750.85   3.06  1.80
 DISCCART  382943.49  3744750.85   3.35  1.80
 DISCCART  382979.10  3744750.85   3.97  1.80
 DISCCART  383014.71  3744750.85   4.88  1.80
 DISCCART  383050.32  3744750.85   5.49  1.80
 DISCCART  382551.78  3744773.56   4.55  1.80
 DISCCART  382587.39  3744773.56   3.09  1.80
 DISCCART  382623.00  3744773.56   3.63  1.80
 DISCCART  382658.61  3744773.56   3.91  1.80
 DISCCART  382694.22  3744773.56   3.96  1.80
 DISCCART  382729.83  3744773.56   3.62  1.80
 DISCCART  382765.44  3744773.56   3.31  1.80
 DISCCART  382801.05  3744773.56   3.34  1.80
 DISCCART  382836.66  3744773.56   3.33  1.80
 DISCCART  382872.27  3744773.56   3.32  1.80
 DISCCART  382907.88  3744773.56   3.05  1.80
 DISCCART  382943.49  3744773.56   3.15  1.80
 DISCCART  382979.10  3744773.56   4.00  1.80
 DISCCART  383014.71  3744773.56   5.02  1.80
 DISCCART  383050.32  3744773.56   5.75  1.80
 DISCCART  382551.78  3744796.27   4.51  1.80
 DISCCART  382587.39  3744796.27   2.97  1.80
 DISCCART  382623.00  3744796.27   3.68  1.80
 DISCCART  382658.61  3744796.27   4.17  1.80
 DISCCART  382694.22  3744796.27   4.15  1.80
 DISCCART  382729.83  3744796.27   3.94  1.80
 DISCCART  382765.44  3744796.27   3.66  1.80
 DISCCART  382801.05  3744796.27   3.66  1.80
 DISCCART  382836.66  3744796.27   3.66  1.80
 DISCCART  382872.27  3744796.27   3.66  1.80
 DISCCART  382907.88  3744796.27   3.56  1.80
 DISCCART  382943.49  3744796.27   3.11  1.80
 DISCCART  382979.10  3744796.27   4.00  1.80
 DISCCART  383014.71  3744796.27   5.41  1.80
 DISCCART  383050.32  3744796.27   6.10  1.80
 DISCCART  382551.78  3744818.98   4.56  1.80
 DISCCART  382587.39  3744818.98   3.28  1.80
 DISCCART  382623.00  3744818.98   3.94  1.80
 DISCCART  382658.61  3744818.98   4.56  1.80
 DISCCART  382694.22  3744818.98   4.52  1.80
 DISCCART  382729.83  3744818.98   4.56  1.80
 DISCCART  382765.44  3744818.98   4.21  1.80
 DISCCART  382801.05  3744818.98   3.97  1.80
 DISCCART  382836.66  3744818.98   3.96  1.80
 DISCCART  382872.27  3744818.98   3.96  1.80
 DISCCART  382907.88  3744818.98   3.94  1.80
 DISCCART  382943.49  3744818.98   3.13  1.80
 DISCCART  382979.10  3744818.98   3.68  1.80
 DISCCART  383014.71  3744818.98   5.62  1.80
 DISCCART  383050.32  3744818.98   6.10  1.80
 DISCCART  382551.78  3744841.69   4.52  1.80
 DISCCART  382587.39  3744841.69   3.95  1.80
 DISCCART  382623.00  3744841.69   4.57  1.80
 DISCCART  382658.61  3744841.69   4.90  1.80
 DISCCART  382694.22  3744841.69   4.91  1.80
 DISCCART  382729.83  3744841.69   4.88  1.80
 DISCCART  382765.44  3744841.69   4.64  1.80
 DISCCART  382801.05  3744841.69   4.59  1.80
 DISCCART  382836.66  3744841.69   4.63  1.80
 DISCCART  382872.27  3744841.69   4.59  1.80
 DISCCART  382907.88  3744841.69   4.37  1.80
 DISCCART  382943.49  3744841.69   3.63  1.80
 DISCCART  382979.10  3744841.69   3.08  1.80
 DISCCART  383014.71  3744841.69   5.73  1.80
 DISCCART  383050.32  3744841.69   6.10  1.80
 DISCCART  382551.78  3744864.40   5.01  1.80
 DISCCART  382587.39  3744864.40   4.84  1.80
 DISCCART  382623.00  3744864.40   5.31  1.80
 DISCCART  382658.61  3744864.40   5.31  1.80
 DISCCART  382694.22  3744864.40   5.32  1.80
 DISCCART  382729.83  3744864.40   5.31  1.80
 DISCCART  382765.44  3744864.40   5.32  1.80
 DISCCART  382801.05  3744864.40   5.31  1.80
 DISCCART  382836.66  3744864.40   5.32  1.80
 DISCCART  382872.27  3744864.40   5.31  1.80
 DISCCART  382907.88  3744864.40   5.31  1.80
 DISCCART  382943.49  3744864.40   4.73  1.80
 DISCCART  382979.10  3744864.40   3.74  1.80
 DISCCART  383014.71  3744864.40   5.31  1.80
 DISCCART  383050.32  3744864.40   6.10  1.80
 DISCCART  382551.78  3744887.11   6.74  1.80
 DISCCART  382587.39  3744887.11   7.10  1.80
 DISCCART  382623.00  3744887.11   7.51  1.80
 DISCCART  382658.61  3744887.11   7.54  1.80
 DISCCART  382694.22  3744887.11   7.36  1.80
 DISCCART  382729.83  3744887.11   7.59  1.80
 DISCCART  382765.44  3744887.11   7.35  1.80
 DISCCART  382801.05  3744887.11   7.29  1.80
 DISCCART  382836.66  3744887.11   7.28  1.80
 DISCCART  382872.27  3744887.11   7.20  1.80
 DISCCART  382907.88  3744887.11   7.79  1.80
 DISCCART  382943.49  3744887.11   7.45  1.80
 DISCCART  382979.10  3744887.11   4.70  1.80
 DISCCART  383014.71  3744887.11   4.70  1.80
 DISCCART  383050.32  3744887.11   6.10  1.80
 DISCCART  382551.78  3744909.82  10.95  1.80
 DISCCART  382587.39  3744909.82  11.78  1.80
 DISCCART  382623.00  3744909.82  11.55  1.80
 DISCCART  382658.61  3744909.82  11.87  1.80
 DISCCART  382694.22  3744909.82  13.08  1.80
 DISCCART  382729.83  3744909.82  13.71  1.80
 DISCCART  382765.44  3744909.82  12.85  1.80
 DISCCART  382801.05  3744909.82  11.55  1.80
 DISCCART  382836.66  3744909.82  10.00  1.80
 DISCCART  382872.27  3744909.82   8.84  1.80
 DISCCART  382907.88  3744909.82  10.34  1.80
 DISCCART  382943.49  3744909.82  10.58  1.80
 DISCCART  382979.10  3744909.82   5.18  1.80
 DISCCART  383014.71  3744909.82   5.46  1.80
 DISCCART  382551.78  3744932.53  11.24  1.80
```

```
   DISCCART   382587.39  3744932.53  11.52   1.80
   DISCCART   382623.00  3744932.53  11.79   1.80
   DISCCART   382658.61  3744932.53  12.69   1.80
   DISCCART   382694.22  3744932.53  13.76   1.80
   DISCCART   382729.83  3744932.53  14.56   1.80
   DISCCART   382765.44  3744932.53  13.86   1.80
   DISCCART   382801.05  3744932.53  11.55   1.80
   DISCCART   382836.66  3744932.53   9.16   1.80
   DISCCART   382872.27  3744932.53   9.81   1.80
   DISCCART   382907.88  3744932.53  11.91   1.80
   DISCCART   382943.49  3744932.53  11.82   1.80
   DISCCART   382979.10  3744932.53   5.75   1.80
   DISCCART   383014.71  3744932.53   5.93   1.80
   DISCCART   382551.78  3744955.24  10.01   1.80
   DISCCART   382587.39  3744955.24  10.44   1.80
   DISCCART   382623.00  3744955.24  10.91   1.80
   DISCCART   382658.61  3744955.24  12.04   1.80
   DISCCART   382694.22  3744955.24  12.85   1.80
   DISCCART   382729.83  3744955.24  13.55   1.80
   DISCCART   382765.44  3744955.24  13.00   1.80
   DISCCART   382801.05  3744955.24   9.99   1.80
   DISCCART   382836.66  3744955.24   9.20   1.80
   DISCCART   382872.27  3744955.24  11.35   1.80
   DISCCART   382907.88  3744955.24  13.05   1.80
   DISCCART   382943.49  3744955.24  12.17   1.80
   DISCCART   382979.10  3744955.24   5.79   1.80
   DISCCART   383014.71  3744955.24   5.94   1.80
   DISCCART   382551.78  3744977.95   8.86   1.80
   DISCCART   382587.39  3744977.95   8.57   1.80
   DISCCART   382623.00  3744977.95   8.82   1.80
   DISCCART   382658.61  3744977.95   9.73   1.80
   DISCCART   382694.22  3744977.95  11.38   1.80
   DISCCART   382729.83  3744977.95  12.47   1.80
   DISCCART   382765.44  3744977.95  11.41   1.80
   DISCCART   382801.05  3744977.95   8.85   1.80
   DISCCART   382836.66  3744977.95  10.57   1.80
   DISCCART   382872.27  3744977.95  12.78   1.80
   DISCCART   382907.88  3744977.95  14.34   1.80
   DISCCART   382943.49  3744977.95  12.20   1.80
   DISCCART   382979.10  3744977.95   6.08   1.80
   DISCCART   383014.71  3744977.95   5.95   1.80
   DISCCART   382551.78  3745000.66  10.63   1.80
   DISCCART   382587.39  3745000.66  10.34   1.80
   DISCCART   382623.00  3745000.66   9.79   1.80
   DISCCART   382658.61  3745000.66   8.57   1.80
   DISCCART   382694.22  3745000.66   9.24   1.80
   DISCCART   382729.83  3745000.66  11.28   1.80
   DISCCART   382765.44  3745000.66   9.70   1.80
   DISCCART   382801.05  3745000.66   9.16   1.80
   DISCCART   382836.66  3745000.66  11.66   1.80
   DISCCART   382872.27  3745000.66  13.40   1.80
   DISCCART   382907.88  3745000.66  14.90   1.80
   DISCCART   382943.49  3745000.66  12.11   1.80
   DISCCART   382551.78  3745023.37  10.96   1.80
   DISCCART   382587.39  3745023.37  10.97   1.80
   DISCCART   382623.00  3745023.37  10.93   1.80
   DISCCART   382658.61  3745023.37  10.33   1.80
   DISCCART   382694.22  3745023.37   8.71   1.80
   DISCCART   382729.83  3745023.37   9.57   1.80
   DISCCART   382765.44  3745023.37   8.88   1.80
   DISCCART   382801.05  3745023.37   9.78   1.80
   DISCCART   382836.66  3745023.37  12.37   1.80
   DISCCART   382872.27  3745023.37  13.93   1.80
   DISCCART   382907.88  3745023.37  14.67   1.80
   DISCCART   382551.78  3745046.08  11.17   1.80
   DISCCART   382587.39  3745046.08  11.16   1.80
   DISCCART   382623.00  3745046.08  11.16   1.80
   DISCCART   382658.61  3745046.08  11.42   1.80
   DISCCART   382694.22  3745046.08  10.78   1.80
   DISCCART   382728.88  3745037.49   8.87   1.80
   DISCCART   382764.49  3745037.49   9.24   1.80
   DISCCART   382800.10  3745037.49  10.34   1.80
   DISCCART   382835.71  3745037.49  12.34   1.80
   DISCCART   382871.32  3745037.49  13.72   1.80
RE FINISHED
**
****************************************
** ISCST3 Meteorology Pathway
****************************************
**
**
ME STARTING
   INPUTFIL Met\LONGBCH.ASC
   ANEMHGHT 10 METERS
   SURFDATA 53101 1981
   UAIRDATA 91919 1981
ME FINISHED
**
****************************************
** ISCST3 Output Pathway
****************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST1NX 1ST Const.IS\01H1G001.PLT
   PLOTFILE 1 CONST2NX 1ST Const.IS\01H1G002.PLT
   PLOTFILE 1 CONST3NX 1ST Const.IS\01H1G003.PLT
   PLOTFILE 1 CONST4NX 1ST Const.IS\01H1G004.PLT
   PLOTFILE 24 CONST1PM 1ST Const.IS\24H1G005.PLT
   PLOTFILE 24 CONST2PM 1ST Const.IS\24H1G006.PLT
   PLOTFILE 24 CONST3PM 1ST Const.IS\24H1G007.PLT
   PLOTFILE 24 CONST4PM 1ST Const.IS\24H1G008.PLT
   PLOTFILE 1 OVLP-NOX 1ST Const.IS\01H1G009.PLT
   PLOTFILE 24 OVLP-PM 1ST Const.IS\24H1G010.PLT
   PLOTFILE 24 CONS1_25 1ST Const.IS\24H1G011.PLT
   PLOTFILE 24 CONS2_25 1ST Const.IS\24H1G012.PLT
   PLOTFILE 24 CONS3_25 1ST Const.IS\24H1G013.PLT
   PLOTFILE 24 CONS4_25 1ST Const.IS\24H1G014.PLT
   PLOTFILE 24 OVLP_25 1ST Const.IS\24H1G015.PLT
OU FINISHED


 *** Message Summary For ISC3 Model Setup ***

 --------- Summary of Total Messages --------

A Total of        0 Fatal Error Message(s)
A Total of        6 Warning Message(s)
A Total of        0 Informational Message(s)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
OU W565  2303 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  2304 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  2305 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  2306 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  2307 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565  2308 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

***********************************
*** SETUP Finishes Successfully ***
***********************************

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                 ***      11/08/06
                   ***                                                          ***      14:35:53
**MODELOPTs:                                                                         PAGE   1
CONC                URBAN ELEV  FLGPOL                    NOCALM                          HE>ZI

                              ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

  -- SCAVENGING/DEPOSITION LOGIC --
**Model Uses NO DRY DEPLETION.  DDPLETE =  F
**Model Uses NO WET DEPLETION.  WDPLETE =  F
**NO WET SCAVENGING Data Provided.
**NO GAS DRY DEPOSITION Data Provided.
**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses URBAN Dispersion.

**Model Uses User-Specified Options:
        1. Final Plume Rise.
        2. Stack-tip Downwash.
        3. Buoyancy-induced Dispersion.
        4. Not Use Calms Processing Routine.
        5. Not Use Missing Data Processing Routine.
        6. Default Wind Profile Exponents.
        7. Default Vertical Potential Temperature Gradients.
        HE>ZI  - Adjusts Vertical Term for cases when HE > ZI,
                 which may occur for receptors below source base elevation.

**Model Accepts Receptors on ELEV Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates  2 Short Term Average(s) of:   1-HR  24-HR
   and Calculates PERIOD Averages

**This Run Includes:   245 Source(s);     15 Source Group(s); and     194 Receptor(s)

**The Model Assumes A Pollutant Type of:  PM/NOX

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
       Model Outputs Tables of PERIOD Averages by Receptor
       Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
       Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

**Misc. Inputs:  Anem. Hgt. (m) =    10.00 ;    Decay Coef. =    0.000    ;    Rot. Angle =     0.0
             Emission Units = GRAMS/SEC                            ;  Emission Rate Unit Factor =   0.10000E+07
             Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =     1.5 MB of RAM.

**Input Runstream File:          Const.INP
**Output Print File:             Const.OUT
 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                 ***      11/08/06
                   ***                                                          ***      14:35:53
**MODELOPTs:                                                                         PAGE   2
CONC                URBAN ELEV  FLGPOL                    NOCALM                          HE>ZI



                                        *** VOLUME SOURCE DATA ***
```

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0002482	0	0.16017E+00	382856.5	3745349.0	6.1	0.00	35.23	1.16	HROFDY
L0002483	0	0.16017E+00	382898.2	3745286.0	6.1	0.00	35.23	1.16	HROFDY
L0002484	0	0.16017E+00	382939.9	3745222.8	6.1	0.00	35.23	1.16	HROFDY
L0002485	0	0.16017E+00	382951.4	3745145.3	6.1	0.00	37.94	1.16	HROFDY
L0002486	0	0.16017E+00	382922.8	3745118.5	6.3	0.00	24.53	1.16	HROFDY
L0002487	0	0.16017E+00	382870.1	3745115.5	10.6	0.00	24.53	1.16	HROFDY
L0002488	0	0.16017E+00	382898.1	3745072.8	12.8	0.00	42.86	1.16	HROFDY
L0002489	0	0.16017E+00	382972.2	3745019.0	6.2	0.00	42.56	1.16	HROFDY
L0002490	0	0.16017E+00	383058.3	3744991.3	6.1	0.00	42.79	1.16	HROFDY
L0002491	0	0.16017E+00	383134.9	3744934.3	6.1	0.00	45.89	1.16	HROFDY
L0002492	0	0.16017E+00	383204.7	3744864.5	6.1	0.00	45.89	1.16	HROFDY
L0002493	0	0.16017E+00	383262.9	3744802.5	6.1	0.00	39.56	1.16	HROFDY
L0002494	0	0.16017E+00	383320.3	3744739.8	6.1	0.00	39.56	1.16	HROFDY
L0002495	0	0.16017E+00	383377.8	3744677.0	6.1	0.00	39.56	1.16	HROFDY
L0002496	0	0.16017E+00	383417.1	3744637.5	6.1	0.00	25.96	1.16	HROFDY
L0002497	0	0.26720E+00	382927.5	3745208.0	6.1	0.00	11.77	1.16	HROFDY
L0002498	0	0.26720E+00	382936.7	3745184.3	6.1	0.00	11.77	1.16	HROFDY
L0002499	0	0.26720E+00	382950.9	3745112.5	6.1	0.00	34.27	1.16	HROFDY
L0002500	0	0.26720E+00	382976.4	3745104.3	6.1	0.00	24.68	1.16	HROFDY
L0002501	0	0.26720E+00	382989.2	3745092.3	6.1	0.00	24.48	1.16	HROFDY
L0002502	0	0.26720E+00	382974.8	3745041.5	6.2	0.00	24.48	1.16	HROFDY
L0002503	0	0.26720E+00	383020.2	3745036.0	6.1	0.00	37.42	1.16	HROFDY
L0002504	0	0.26720E+00	383061.4	3745014.3	6.1	0.00	27.89	1.16	HROFDY
L0002505	0	0.34223E+00	382980.2	3745260.8	5.5	0.00	35.46	1.16	HROFDY
L0002506	0	0.34223E+00	383034.6	3745207.3	4.6	0.00	35.46	1.16	HROFDY
L0002507	0	0.34223E+00	383088.9	3745153.8	4.3	0.00	35.46	1.16	HROFDY
L0002508	0	0.34223E+00	383121.4	3745111.8	4.6	0.00	24.88	1.16	HROFDY
L0002509	0	0.34223E+00	383148.9	3745066.0	4.9	0.00	24.88	1.16	HROFDY
L0002510	0	0.34223E+00	383199.8	3744993.0	5.4	0.00	41.37	1.16	HROFDY
L0002511	0	0.34223E+00	383252.7	3744921.5	5.7	0.00	41.37	1.16	HROFDY
L0002512	0	0.34223E+00	383305.6	3744850.0	5.9	0.00	41.37	1.16	HROFDY

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 L0002513    0  0.23454E+00 383143.3 3745179.5   5.8   0.00  41.79   1.16  HROFDY
 L0002514    0  0.23454E+00 383114.1 3745094.8   5.6   0.00  41.79   1.16  HROFDY
 L0002515    0  0.23454E+00 383097.8 3745037.0   6.1   0.00  27.86   1.16  HROFDY
 L0002516    0  0.23454E+00 383083.8 3744978.8   6.1   0.00  27.86   1.16  HROFDY
 L0002517    0  0.23454E+00 383076.6 3744919.8   6.1   0.00  27.81   1.16  HROFDY
 L0002683    0  0.11827E-02 382856.5 3745349.0   6.1   0.00  35.23   1.16  HROFDY
 L0002684    0  0.11827E-02 382898.2 3745286.0   6.1   0.00  35.23   1.16  HROFDY
 L0002685    0  0.11827E-02 382939.9 3745222.8   6.1   0.00  35.23   1.16  HROFDY
 L0002686    0  0.11827E-02 382951.4 3745145.3   6.1   0.00  37.94   1.16  HROFDY
 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                   ***     11/08/06
                ***                                                        ***     14:35:53
**MODELOPTs:                                                                        PAGE   3
CONC              URBAN ELEV  FLGPOL                  NOCALM                    HE>ZI

                                   *** VOLUME SOURCE DATA ***

          NUMBER EMISSION RATE                  BASE    RELEASE   INIT.   INIT.   EMISSION RATE
  SOURCE   PART.  (GRAMS/SEC)     X        Y     ELEV.   HEIGHT    SY      SZ     SCALAR VARY
    ID     CATS.              (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)       BY
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 L0002687    0  0.11827E-02 382922.8 3745118.5   6.3   0.00  24.53   1.16  HROFDY
 L0002688    0  0.11827E-02 382870.1 3745115.5  10.6   0.00  24.53   1.16  HROFDY
 L0002689    0  0.11827E-02 382898.1 3745072.8  12.8   0.00  42.86   1.16  HROFDY
 L0002690    0  0.11827E-02 382972.2 3745019.0   6.2   0.00  42.56   1.16  HROFDY
 L0002691    0  0.11827E-02 383058.3 3744991.3   6.1   0.00  42.79   1.16  HROFDY
 L0002692    0  0.11827E-02 383134.9 3744934.3   6.1   0.00  45.89   1.16  HROFDY
 L0002693    0  0.11827E-02 383204.7 3744864.5   6.1   0.00  45.89   1.16  HROFDY
 L0002694    0  0.11827E-02 383262.9 3744802.5   6.1   0.00  39.56   1.16  HROFDY
 L0002695    0  0.11827E-02 383320.3 3744739.8   6.1   0.00  39.56   1.16  HROFDY
 L0002696    0  0.11827E-02 383377.8 3744677.0   6.1   0.00  39.56   1.16  HROFDY
 L0002697    0  0.11827E-02 383417.1 3744637.5   6.1   0.00  25.96   1.16  HROFDY
 L0002698    0  0.49463E-02 382927.5 3745208.0   6.1   0.00  11.77   1.16  HROFDY
 L0002699    0  0.49463E-02 382936.7 3745184.3   6.1   0.00  11.77   1.16  HROFDY
 L0002700    0  0.49463E-02 382950.9 3745112.5   6.1   0.00  34.27   1.16  HROFDY
 L0002701    0  0.49463E-02 382976.4 3745104.3   6.1   0.00  24.68   1.16  HROFDY
 L0002702    0  0.49463E-02 382989.2 3745092.3   6.1   0.00  24.48   1.16  HROFDY
 L0002703    0  0.49463E-02 382974.8 3745041.5   6.2   0.00  24.48   1.16  HROFDY
 L0002704    0  0.49463E-02 383020.2 3745036.0   6.1   0.00  37.42   1.16  HROFDY
 L0002705    0  0.49463E-02 383061.4 3745014.3   6.1   0.00  27.89   1.16  HROFDY
 L0002706    0  0.62425E-02 382980.2 3745260.8   5.5   0.00  35.46   1.16  HROFDY
 L0002707    0  0.62425E-02 383034.6 3745207.3   4.6   0.00  35.46   1.16  HROFDY
 L0002708    0  0.62425E-02 383088.9 3745153.8   4.3   0.00  35.46   1.16  HROFDY
 L0002709    0  0.62425E-02 383121.4 3745111.8   4.6   0.00  24.88   1.16  HROFDY
 L0002710    0  0.62425E-02 383148.9 3745066.0   4.9   0.00  24.88   1.16  HROFDY
 L0002711    0  0.62425E-02 383199.8 3744993.0   5.4   0.00  41.37   1.16  HROFDY
 L0002712    0  0.62425E-02 383252.7 3744921.5   5.7   0.00  41.37   1.16  HROFDY
 L0002713    0  0.62425E-02 383305.6 3744850.0   5.9   0.00  41.37   1.16  HROFDY
 L0002714    0  0.41900E-02 383143.3 3745179.5   5.8   0.00  41.79   1.16  HROFDY
 L0002715    0  0.41900E-02 383114.1 3745094.8   5.6   0.00  41.79   1.16  HROFDY
 L0002716    0  0.41900E-02 383097.8 3745037.0   6.1   0.00  27.86   1.16  HROFDY
 L0002717    0  0.41900E-02 383083.8 3744978.8   6.1   0.00  27.86   1.16  HROFDY
 L0002718    0  0.41900E-02 383076.6 3744919.8   6.1   0.00  27.81   1.16  HROFDY
 L0002554    0  0.22947E+00 382980.2 3745260.8   5.5   0.00  35.46   1.16  HROFDY
 L0002555    0  0.22947E+00 383034.6 3745207.3   4.6   0.00  35.46   1.16  HROFDY
 L0002556    0  0.22947E+00 383088.9 3745153.8   4.3   0.00  35.46   1.16  HROFDY
 L0002557    0  0.22947E+00 383121.4 3745111.8   4.6   0.00  24.88   1.16  HROFDY
 L0002558    0  0.22947E+00 383148.9 3745066.0   4.9   0.00  24.88   1.16  HROFDY
 L0002559    0  0.22947E+00 383199.8 3744993.0   5.4   0.00  41.37   1.16  HROFDY
 L0002560    0  0.22947E+00 383252.7 3744921.5   5.7   0.00  41.37   1.16  HROFDY
 L0002561    0  0.22947E+00 383305.6 3744850.0   5.9   0.00  41.37   1.16  HROFDY
 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                   ***     11/08/06
                ***                                                        ***     14:35:53
**MODELOPTs:                                                                        PAGE   4
CONC              URBAN ELEV  FLGPOL                  NOCALM                    HE>ZI

                                   *** VOLUME SOURCE DATA ***

          NUMBER EMISSION RATE                  BASE    RELEASE   INIT.   INIT.   EMISSION RATE
  SOURCE   PART.  (GRAMS/SEC)     X        Y     ELEV.   HEIGHT    SY      SZ     SCALAR VARY
    ID     CATS.              (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)       BY
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 L0002562    0  0.23454E+00 383143.3 3745179.5   5.8   0.00  41.79   1.16  HROFDY
 L0002563    0  0.23454E+00 383114.1 3745094.8   5.6   0.00  41.79   1.16  HROFDY
 L0002564    0  0.23454E+00 383097.8 3745037.0   6.1   0.00  27.86   1.16  HROFDY
 L0002565    0  0.23454E+00 383083.8 3744978.8   6.1   0.00  27.86   1.16  HROFDY
 L0002566    0  0.23454E+00 383076.6 3744919.8   6.1   0.00  27.81   1.16  HROFDY
 L0002745    0  0.99800E-03 383143.3 3745179.5   5.8   0.00  41.79   1.16  HROFDY
 L0002746    0  0.99800E-03 383114.1 3745094.8   5.6   0.00  41.79   1.16  HROFDY
 L0002747    0  0.99800E-03 383097.8 3745037.0   6.1   0.00  27.86   1.16  HROFDY
 L0002748    0  0.99800E-03 383083.8 3744978.8   6.1   0.00  27.86   1.16  HROFDY
 L0002749    0  0.99800E-03 383076.6 3744919.8   6.1   0.00  27.81   1.16  HROFDY
 L0002750    0  0.62425E-02 382980.2 3745260.8   5.5   0.00  35.46   1.16  HROFDY
 L0002751    0  0.62425E-02 383034.6 3745207.3   4.6   0.00  35.46   1.16  HROFDY
 L0002752    0  0.62425E-02 383088.9 3745153.8   4.3   0.00  35.46   1.16  HROFDY
 L0002753    0  0.62425E-02 383121.4 3745111.8   4.6   0.00  24.88   1.16  HROFDY
 L0002754    0  0.62425E-02 383148.9 3745066.0   4.9   0.00  24.88   1.16  HROFDY
 L0002755    0  0.62425E-02 383199.8 3744993.0   5.4   0.00  41.37   1.16  HROFDY
 L0002756    0  0.62425E-02 383252.7 3744921.5   5.7   0.00  41.37   1.16  HROFDY
 L0002757    0  0.62425E-02 383305.6 3744850.0   5.9   0.00  41.37   1.16  HROFDY
 L0002812    0  0.24233E-01 382856.5 3745349.0   6.1   0.00  35.23   0.47  HROFDY
 L0002813    0  0.24233E-01 382898.2 3745286.0   6.1   0.00  35.23   0.47  HROFDY
 L0002814    0  0.24233E-01 382939.9 3745222.8   6.1   0.00  35.23   0.47  HROFDY
 L0002815    0  0.24233E-01 382951.4 3745145.3   6.1   0.00  37.94   0.47  HROFDY
 L0002816    0  0.24233E-01 382922.8 3745118.5   6.3   0.00  24.53   0.47  HROFDY
 L0002817    0  0.24233E-01 382870.1 3745115.5  10.6   0.00  24.53   0.47  HROFDY
 L0002818    0  0.24233E-01 382898.1 3745072.8  12.8   0.00  42.86   0.47  HROFDY
 L0002819    0  0.24233E-01 382972.2 3745019.0   6.2   0.00  42.56   0.47  HROFDY
 L0002820    0  0.24233E-01 383058.3 3744991.3   6.1   0.00  42.79   0.47  HROFDY
 L0002821    0  0.24233E-01 383134.9 3744934.3   6.1   0.00  45.89   0.47  HROFDY
 L0002822    0  0.24233E-01 383204.7 3744864.5   6.1   0.00  45.89   0.47  HROFDY
 L0002823    0  0.24233E-01 383262.9 3744802.5   6.1   0.00  39.56   0.47  HROFDY
 L0002824    0  0.24233E-01 383320.3 3744739.8   6.1   0.00  39.56   0.47  HROFDY
 L0002825    0  0.24233E-01 383377.8 3744677.0   6.1   0.00  39.56   0.47  HROFDY
 L0002826    0  0.24233E-01 383417.1 3744637.5   6.1   0.00  25.96   0.47  HROFDY
 L0002827    0  0.49220E-01 382927.5 3745208.0   6.1   0.00  11.77   0.47  HROFDY
 L0002828    0  0.49220E-01 382936.7 3745184.3   6.1   0.00  11.77   0.47  HROFDY
 L0002829    0  0.49220E-01 382950.9 3745112.5   6.1   0.00  34.27   0.47  HROFDY
 L0002830    0  0.49220E-01 382976.4 3745104.3   6.1   0.00  24.68   0.47  HROFDY
 L0002831    0  0.49220E-01 382989.2 3745092.3   6.1   0.00  24.48   0.47  HROFDY
 L0002832    0  0.49220E-01 382974.8 3745041.5   6.2   0.00  24.48   0.47  HROFDY
 L0002833    0  0.49220E-01 383020.2 3745036.0   6.1   0.00  37.42   0.47  HROFDY
 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                   ***     11/08/06
                ***                                                        ***     14:35:53
**MODELOPTs:                                                                        PAGE   5
CONC              URBAN ELEV  FLGPOL                  NOCALM                    HE>ZI

                                   *** VOLUME SOURCE DATA ***

          NUMBER EMISSION RATE                  BASE    RELEASE   INIT.   INIT.   EMISSION RATE
  SOURCE   PART.  (GRAMS/SEC)     X        Y     ELEV.   HEIGHT    SY      SZ     SCALAR VARY
    ID     CATS.              (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)       BY
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 L0002834    0  0.49220E-01 383061.4 3745014.3   6.1   0.00  27.89   0.47  HROFDY
 L0002835    0  0.52871E-01 382980.2 3745260.8   5.5   0.00  35.46   0.47  HROFDY
 L0002836    0  0.52871E-01 383034.6 3745207.3   4.6   0.00  35.46   0.47  HROFDY
 L0002837    0  0.52871E-01 383088.9 3745153.8   4.3   0.00  35.46   0.47  HROFDY
 L0002838    0  0.52871E-01 383121.4 3745111.8   4.6   0.00  24.88   0.47  HROFDY
 L0002839    0  0.52871E-01 383148.9 3745066.0   4.9   0.00  24.88   0.47  HROFDY
 L0002840    0  0.52871E-01 383199.8 3744993.0   5.4   0.00  41.37   0.47  HROFDY
 L0002841    0  0.52871E-01 383252.7 3744921.5   5.7   0.00  41.37   0.47  HROFDY
 L0002842    0  0.52871E-01 383305.6 3744850.0   5.9   0.00  41.37   0.47  HROFDY
 L0002843    0  0.73308E-01 383143.3 3745179.5   5.8   0.00  41.79   0.47  HROFDY
 L0002844    0  0.73308E-01 383114.1 3745094.8   5.6   0.00  41.79   0.47  HROFDY
 L0002845    0  0.73308E-01 383097.8 3745037.0   6.1   0.00  27.86   0.47  HROFDY
 L0002846    0  0.73308E-01 383083.8 3744978.8   6.1   0.00  27.86   0.47  HROFDY
 L0002847    0  0.73308E-01 383076.6 3744919.8   6.1   0.00  27.81   0.47  HROFDY
 L0002807    0  0.60800E-03 383143.3 3745179.5   5.8   0.00  41.79   0.47  HROFDY
 L0002808    0  0.60800E-03 383114.1 3745094.8   5.6   0.00  41.79   0.47  HROFDY
 L0002809    0  0.60800E-03 383097.8 3745037.0   6.1   0.00  27.86   0.47  HROFDY
 L0002810    0  0.60800E-03 383083.8 3744978.8   6.1   0.00  27.86   0.47  HROFDY
 L0002811    0  0.60800E-03 383076.6 3744919.8   6.1   0.00  27.81   0.47  HROFDY
 L0002799    0  0.52871E-01 382980.2 3745260.8   5.5   0.00  35.46   0.47  HROFDY
 L0002800    0  0.52871E-01 383034.6 3745207.3   4.6   0.00  35.46   0.47  HROFDY
 L0002801    0  0.52871E-01 383088.9 3745153.8   4.3   0.00  35.46   0.47  HROFDY
 L0002802    0  0.52871E-01 383121.4 3745111.8   4.6   0.00  24.88   0.47  HROFDY
 L0002803    0  0.52871E-01 383148.9 3745066.0   4.9   0.00  24.88   0.47  HROFDY
 L0002804    0  0.52871E-01 383199.8 3744993.0   5.4   0.00  41.37   0.47  HROFDY
 L0002805    0  0.52871E-01 383252.7 3744921.5   5.7   0.00  41.37   0.47  HROFDY
 L0002806    0  0.52871E-01 383305.6 3744850.0   5.9   0.00  41.37   0.47  HROFDY
 L0003052    0  0.10527E-02 382856.5 3745349.0   6.1   0.00  35.23   1.16  HROFDY
 L0003053    0  0.10527E-02 382898.2 3745286.0   6.1   0.00  35.23   1.16  HROFDY
 L0003054    0  0.10527E-02 382939.9 3745222.8   6.1   0.00  35.23   1.16  HROFDY
 L0003055    0  0.10527E-02 382951.4 3745145.3   6.1   0.00  37.94   1.16  HROFDY
 L0003056    0  0.10527E-02 382922.8 3745118.5   6.3   0.00  24.53   1.16  HROFDY
 L0003057    0  0.10527E-02 382870.1 3745115.5  10.6   0.00  24.53   1.16  HROFDY
 L0003058    0  0.10527E-02 382898.1 3745072.8  12.8   0.00  42.86   1.16  HROFDY
 L0003059    0  0.10527E-02 382972.2 3745019.0   6.2   0.00  42.56   1.16  HROFDY
 L0003060    0  0.10527E-02 383058.3 3744991.3   6.1   0.00  42.79   1.16  HROFDY
 L0003061    0  0.10527E-02 383134.9 3744934.3   6.1   0.00  45.89   1.16  HROFDY
 L0003062    0  0.10527E-02 383204.7 3744864.5   6.1   0.00  45.89   1.16  HROFDY
 L0003063    0  0.10527E-02 383262.9 3744802.5   6.1   0.00  39.56   1.16  HROFDY
 L0003064    0  0.10527E-02 383320.3 3744739.8   6.1   0.00  39.56   1.16  HROFDY
 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                   ***     11/08/06
                ***                                                        ***     14:35:53
**MODELOPTs:                                                                        PAGE   6
CONC              URBAN ELEV  FLGPOL                  NOCALM                    HE>ZI

                                   *** VOLUME SOURCE DATA ***

          NUMBER EMISSION RATE                  BASE    RELEASE   INIT.   INIT.   EMISSION RATE
  SOURCE   PART.  (GRAMS/SEC)     X        Y     ELEV.   HEIGHT    SY      SZ     SCALAR VARY
    ID     CATS.              (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)       BY
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 L0003065    0  0.10527E-02 383377.8 3744677.0   6.1   0.00  39.56   1.16  HROFDY
 L0003066    0  0.10527E-02 383417.1 3744637.5   6.1   0.00  25.96   1.16  HROFDY
 L0003067    0  0.44025E-02 382927.5 3745208.0   6.1   0.00  11.77   1.16  HROFDY
 L0003068    0  0.44025E-02 382936.7 3745184.3   6.1   0.00  11.77   1.16  HROFDY
 L0003069    0  0.44025E-02 382950.9 3745112.5   6.1   0.00  34.27   1.16  HROFDY
 L0003070    0  0.44025E-02 382976.4 3745104.3   6.1   0.00  24.68   1.16  HROFDY
 L0003071    0  0.44025E-02 382989.2 3745092.3   6.1   0.00  24.48   1.16  HROFDY
 L0003072    0  0.44025E-02 382974.8 3745041.5   6.2   0.00  24.48   1.16  HROFDY
 L0003073    0  0.44025E-02 383020.2 3745036.0   6.1   0.00  37.42   1.16  HROFDY
 L0003074    0  0.44025E-02 383061.4 3745014.3   6.1   0.00  27.89   1.16  HROFDY
 L0003075    0  0.55563E-02 382980.2 3745260.8   5.5   0.00  35.46   1.16  HROFDY
 L0003076    0  0.55563E-02 383034.6 3745207.3   4.6   0.00  35.46   1.16  HROFDY
 L0003077    0  0.55563E-02 383088.9 3745153.8   4.3   0.00  35.46   1.16  HROFDY
 L0003078    0  0.55563E-02 383121.4 3745111.8   4.6   0.00  24.88   1.16  HROFDY
 L0003079    0  0.55563E-02 383148.9 3745066.0   4.9   0.00  24.88   1.16  HROFDY
 L0003080    0  0.55563E-02 383199.8 3744993.0   5.4   0.00  41.37   1.16  HROFDY
 L0003081    0  0.55563E-02 383252.7 3744921.5   5.7   0.00  41.37   1.16  HROFDY
 L0003082    0  0.55563E-02 383305.6 3744850.0   5.9   0.00  41.37   1.16  HROFDY
 L0003083    0  0.37300E-02 383143.3 3745179.5   5.8   0.00  41.79   1.16  HROFDY
 L0003084    0  0.37300E-02 383114.1 3745094.8   5.6   0.00  41.79   1.16  HROFDY
 L0003085    0  0.37300E-02 383097.8 3745037.0   6.1   0.00  27.86   1.16  HROFDY
 L0003086    0  0.37300E-02 383083.8 3744978.8   6.1   0.00  27.86   1.16  HROFDY
 L0003087    0  0.37300E-02 383076.6 3744919.8   6.1   0.00  27.81   1.16  HROFDY
 L0003088    0  0.50893E-02 382856.5 3745349.0   6.1   0.00  35.23   0.47  HROFDY
 L0003089    0  0.50893E-02 382898.2 3745286.0   6.1   0.00  35.23   0.47  HROFDY
 L0003090    0  0.50893E-02 382939.9 3745222.8   6.1   0.00  35.23   0.47  HROFDY
 L0003091    0  0.50893E-02 382951.4 3745145.3   6.1   0.00  37.94   0.47  HROFDY
 L0003092    0  0.50893E-02 382922.8 3745118.5   6.3   0.00  24.53   0.47  HROFDY
 L0003093    0  0.50893E-02 382870.1 3745115.5  10.6   0.00  24.53   0.47  HROFDY
 L0003094    0  0.50893E-02 382898.1 3745072.8  12.8   0.00  42.86   0.47  HROFDY
 L0003095    0  0.50893E-02 382972.2 3745019.0   6.2   0.00  42.56   0.47  HROFDY
 L0003096    0  0.50893E-02 383058.3 3744991.3   6.1   0.00  42.79   0.47  HROFDY
 L0003097    0  0.50893E-02 383134.9 3744934.3   6.1   0.00  45.89   0.47  HROFDY
 L0003098    0  0.50893E-02 383204.7 3744864.5   6.1   0.00  45.89   0.47  HROFDY
 L0003099    0  0.50893E-02 383262.9 3744802.5   6.1   0.00  39.56   0.47  HROFDY
 L0003100    0  0.50893E-02 383320.3 3744739.8   6.1   0.00  39.56   0.47  HROFDY
 L0003101    0  0.50893E-02 383377.8 3744677.0   6.1   0.00  39.56   0.47  HROFDY
 L0003102    0  0.50893E-02 383417.1 3744637.5   6.1   0.00  25.96   0.47  HROFDY
 L0003103    0  0.10336E-01 382927.5 3745208.0   6.1   0.00  11.77   0.47  HROFDY
 L0003104    0  0.10336E-01 382936.7 3745184.3   6.1   0.00  11.77   0.47  HROFDY
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                ***                                                        ***     14:35:53
**MODELOPTs:                                                                        PAGE   7
CONC              URBAN ELEV  FLGPOL                  NOCALM                    HE>ZI

                                   *** VOLUME SOURCE DATA ***

          NUMBER EMISSION RATE                  BASE    RELEASE   INIT.   INIT.   EMISSION RATE
  SOURCE   PART.  (GRAMS/SEC)     X        Y     ELEV.   HEIGHT    SY      SZ     SCALAR VARY
    ID     CATS.              (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)       BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 L0003105    0  0.10336E-01 382950.9 3745112.5   6.1   0.00  34.27   0.47  HROFDY
 L0003106    0  0.10336E-01 382976.4 3745104.3   6.1   0.00  24.68   0.47  HROFDY
 L0003107    0  0.10336E-01 382989.2 3745092.3   6.1   0.00  24.48   0.47  HROFDY
 L0003108    0  0.10336E-01 382974.8 3745041.5   6.2   0.00  24.48   0.47  HROFDY
 L0003109    0  0.10336E-01 383020.2 3745036.0   6.1   0.00  37.42   0.47  HROFDY
```

L0003110	0	0.10336E-01	383061.4	3745014.3	6.1	0.00	27.89	0.47	HROFDY	
L0003111	0	0.11103E-01	382980.2	3745260.8	5.5	0.00	35.46	0.47	HROFDY	
L0003112	0	0.11103E-01	383034.6	3745207.3	4.6	0.00	35.46	0.47	HROFDY	
L0003113	0	0.11103E-01	383088.9	3745153.8	4.3	0.00	35.46	0.47	HROFDY	
L0003114	0	0.11103E-01	383121.4	3745111.8	4.6	0.00	24.88	0.47	HROFDY	
L0003115	0	0.11103E-01	383148.9	3745066.0	4.9	0.00	24.88	0.47	HROFDY	
L0003116	0	0.11103E-01	383199.8	3744993.0	5.4	0.00	41.37	0.47	HROFDY	
L0003117	0	0.11103E-01	383252.7	3744921.5	5.7	0.00	41.37	0.47	HROFDY	
L0003118	0	0.11103E-01	383305.6	3744850.0	5.9	0.00	41.37	0.47	HROFDY	
L0003119	0	0.15394E-01	383143.3	3745179.5	5.8	0.00	41.79	0.47	HROFDY	
L0003120	0	0.15394E-01	383114.1	3745094.8	5.6	0.00	41.79	0.47	HROFDY	
L0003121	0	0.15394E-01	383097.8	3745037.0	6.1	0.00	27.86	0.47	HROFDY	
L0003122	0	0.15394E-01	383083.8	3744978.8	6.1	0.00	27.86	0.47	HROFDY	
L0003123	0	0.15394E-01	383076.6	3744919.8	6.1	0.00	27.81	0.47	HROFDY	
L0003137	0	0.89000E-03	383143.3	3745179.5	5.8	0.00	41.79	1.16	HROFDY	
L0003138	0	0.89000E-03	383114.1	3745094.8	5.6	0.00	41.79	1.16	HROFDY	
L0003139	0	0.89000E-03	383097.8	3745037.0	6.1	0.00	27.86	1.16	HROFDY	
L0003140	0	0.89000E-03	383083.8	3744978.8	6.1	0.00	27.86	1.16	HROFDY	
L0003141	0	0.89000E-03	383076.6	3744919.8	6.1	0.00	27.81	1.16	HROFDY	
L0003142	0	0.55563E-02	382980.2	3745260.8	5.5	0.00	35.46	1.16	HROFDY	
L0003143	0	0.55563E-02	383034.6	3745207.3	4.6	0.00	35.46	1.16	HROFDY	
L0003144	0	0.55563E-02	383088.9	3745153.8	4.3	0.00	35.46	1.16	HROFDY	
L0003145	0	0.55563E-02	383121.4	3745111.8	4.6	0.00	24.88	1.16	HROFDY	
L0003146	0	0.55563E-02	383148.9	3745066.0	4.9	0.00	24.88	1.16	HROFDY	
L0003147	0	0.55563E-02	383199.8	3744993.0	5.4	0.00	41.37	1.16	HROFDY	
L0003148	0	0.55563E-02	383252.7	3744921.5	5.7	0.00	41.37	1.16	HROFDY	
L0003149	0	0.55563E-02	383305.6	3744850.0	5.9	0.00	41.37	1.16	HROFDY	
L0003150	0	0.12800E-03	383143.3	3745179.5	5.8	0.00	41.79	0.47	HROFDY	
L0003151	0	0.12800E-03	383114.1	3745094.8	5.6	0.00	41.79	0.47	HROFDY	
L0003152	0	0.12800E-03	383097.8	3745037.0	6.1	0.00	27.86	0.47	HROFDY	
L0003153	0	0.12800E-03	383083.8	3744978.8	6.1	0.00	27.86	0.47	HROFDY	
L0003154	0	0.12800E-03	383076.6	3744919.8	6.1	0.00	27.81	0.47	HROFDY	
L0003155	0	0.11103E-01	382980.2	3745260.8	5.5	0.00	35.46	0.47	HROFDY	
L0003156	0	0.11103E-01	383034.6	3745207.3	4.6	0.00	35.46	0.47	HROFDY	
L0003157	0	0.11103E-01	383088.9	3745153.8	4.3	0.00	35.46	0.47	HROFDY	

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0003158	0	0.11103E-01	383121.4	3745111.8	4.6	0.00	24.88	0.47	HROFDY
L0003159	0	0.11103E-01	383148.9	3745066.0	4.9	0.00	24.88	0.47	HROFDY
L0003160	0	0.11103E-01	383199.8	3744993.0	5.4	0.00	41.37	0.47	HROFDY
L0003161	0	0.11103E-01	383252.7	3744921.5	5.7	0.00	41.37	0.47	HROFDY
L0003162	0	0.11103E-01	383305.6	3744850.0	5.9	0.00	41.37	0.47	HROFDY

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

CONST1NX L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488, L0002489, L0002490, L0002491, L0002492, L0002493,

L0002494, L0002495, L0002496,

CONST2NX L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503, L0002504,

CONST3NX L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511, L0002512,

CONST4NX L0002513, L0002514, L0002515, L0002516, L0002517,

CONST1PM L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689, L0002690, L0002691, L0002692, L0002693, L0002694,

L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815, L0002816, L0002817, L0002818, L0002819, L0002820,

L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

CONST2PM L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704, L0002705, L0002827, L0002828, L0002829, L0002830,

L0002831, L0002832, L0002833, L0002834,

CONST3PM L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712, L0002713, L0002835, L0002836, L0002837, L0002838,

L0002839, L0002840, L0002841, L0002842,

CONST4PM L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844, L0002845, L0002846, L0002847,

OVLP-NOX L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560, L0002561, L0002562, L0002563, L0002564, L0002565,

L0002566,

OVLP-PM L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751, L0002752, L0002753, L0002754, L0002755, L0002756,

L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799, L0002800, L0002801, L0002802, L0002803, L0002804,

L0002805, L0002806,

CONS1_25 L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058, L0003059, L0003060, L0003061, L0003062, L0003063,

L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091, L0003092, L0003093, L0003094, L0003095, L0003096,

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

CONS2_25 L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073, L0003074, L0003103, L0003104, L0003105, L0003106,

L0003107, L0003108, L0003109, L0003110,

CONS3_25 L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081, L0003082, L0003111, L0003112, L0003113, L0003114,

L0003115, L0003116, L0003117, L0003118,

CONS4_25 L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120, L0003121, L0003122, L0003123,

OVLP_25 L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143, L0003144, L0003145, L0003146, L0003147, L0003148,

L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155, L0003156, L0003157, L0003158, L0003159, L0003160,

L0003161, L0003162,

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*** *** 14:35:53
**MODELOPTs: PAGE 11
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0002482 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002483 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002484 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002485 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002486 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

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**MODELOPTs: PAGE 12
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SOURCE ID = L0002487 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002488 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002489 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE ID = L0002490 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002491 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002492 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002493 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002494 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002495 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002496 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002497 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002498 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002499 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002500 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002501 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002502 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002503 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002504 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002505 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002506 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002507 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002508 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002509 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002510 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002511 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002512 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002513 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002514 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002515 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002516 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
**MODELOPTs: PAGE 18
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002517 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002683 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002684 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002685 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002686 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 19
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002687 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002688 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002689 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002690 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002691 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 20
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002692 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002693 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002694 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002695 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002696 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
**MODELOPTs: PAGE 21
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002697 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002698 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002699 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002700 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002701 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 22
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002702 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002703 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002704 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002705 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002706 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 23
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

```
           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

  HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SOURCE ID = L0002707 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002708 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002709 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002710 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002711 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                    ***      11/08/06
                   ***                                                  ***     14:35:53
**MODELOPTs:                                                                    PAGE  24
CONC              URBAN ELEV  FLGPOL                     NOCALM                           HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

  HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SOURCE ID = L0002712 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002713 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002714 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002715 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002716 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                    ***      11/08/06
                   ***                                                  ***     14:35:53
**MODELOPTs:                                                                    PAGE  25
CONC              URBAN ELEV  FLGPOL                     NOCALM                           HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

  HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SOURCE ID = L0002717 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002718 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002554 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002555 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002556 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                    ***      11/08/06
                   ***                                                  ***     14:35:53
**MODELOPTs:                                                                    PAGE  26
CONC              URBAN ELEV  FLGPOL                     NOCALM                           HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

  HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SOURCE ID = L0002557 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002558 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002559 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002560 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002561 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                    ***      11/08/06
                   ***                                                  ***     14:35:53
**MODELOPTs:                                                                    PAGE  27
CONC              URBAN ELEV  FLGPOL                     NOCALM                           HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

  HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

SOURCE ID = L0002562 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002563 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002564 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002565 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0002566 ;  SOURCE TYPE = VOLUME   :
   1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
   7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
  13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
  19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                    ***      11/08/06
                   ***                                                  ***     14:35:53
**MODELOPTs:                                                                    PAGE  28
CONC              URBAN ELEV  FLGPOL                     NOCALM                           HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

  HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR  SCALAR   HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

SOURCE ID = L0002745 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002746 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002747 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002748 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002749 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 29
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002750 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002751 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002752 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002753 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002754 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 30
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002755 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002756 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002757 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002812 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002813 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 31
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002814 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002815 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002816 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002817 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002818 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 32
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002819 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002820 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002821 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002822 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002823 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 33
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002824 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002825 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00

```
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002826 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002827 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002828 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc              ***     11/08/06
                     ***                                         ***     14:35:53
**MODELOPTs:                                                                    PAGE  34
CONC            URBAN ELEV  FLGPOL                      NOCALM                        HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


   HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0002829 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002830 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002831 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002832 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002833 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc              ***     11/08/06
                     ***                                         ***     14:35:53
**MODELOPTs:                                                                    PAGE  35
CONC            URBAN ELEV  FLGPOL                      NOCALM                        HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


   HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0002834 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002835 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002836 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002837 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002838 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc              ***     11/08/06
                     ***                                         ***     14:35:53
**MODELOPTs:                                                                    PAGE  36
CONC            URBAN ELEV  FLGPOL                      NOCALM                        HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


   HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0002839 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002840 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002841 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002842 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002843 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc              ***     11/08/06
                     ***                                         ***     14:35:53
**MODELOPTs:                                                                    PAGE  37
CONC            URBAN ELEV  FLGPOL                      NOCALM                        HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


   HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0002844 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002845 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002846 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002847 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002807 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc              ***     11/08/06
                     ***                                         ***     14:35:53
**MODELOPTs:                                                                    PAGE  38
CONC            URBAN ELEV  FLGPOL                      NOCALM                        HE>ZI

           * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


   HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR   SCALAR    HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0002808 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002809 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
  19 .00000E+00  20 .00000E+00  21 .00000E+00  22 .00000E+00  23 .00000E+00  24 .00000E+00


SOURCE ID = L0002810 ;  SOURCE TYPE = VOLUME   :
   1 .00000E+00   2 .00000E+00   3 .00000E+00   4 .00000E+00   5 .00000E+00   6 .00000E+00
   7 .00000E+00   8 .10000E+01   9 .10000E+01  10 .10000E+01  11 .10000E+01  12 .10000E+01
  13 .10000E+01  14 .10000E+01  15 .10000E+01  16 .00000E+00  17 .00000E+00  18 .00000E+00
```

19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002811 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002799 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 39
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002800 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002801 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002802 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002803 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002804 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 40
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0002805 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0002806 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003052 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003053 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003054 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 41
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003055 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003056 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003057 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003058 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003059 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 42
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003060 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003061 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003062 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003063 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003064 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
**MODELOPTs: PAGE 43
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003065 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003066 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003067 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003068 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003069 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
**MODELOPTs: PAGE 44
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003070 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003071 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003072 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003073 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003074 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003075 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003076 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003077 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003078 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003079 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003080 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003081 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003082 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003083 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003084 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 47
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003085 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003086 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003087 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003088 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003089 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 48
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003090 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003091 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003092 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003093 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003094 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53

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**MODELOPTs:                                                                    PAGE  49
CONC              URBAN ELEV  FLGPOL                      NOCALM                  HE>ZI

              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


  HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0003095 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003096 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003097 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003098 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003099 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                        ***       11/08/06
                    ***                                                        ***     14:35:53
**MODELOPTs:                                                                    PAGE  50
CONC              URBAN ELEV  FLGPOL                      NOCALM                  HE>ZI

              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


  HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0003100 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003101 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003102 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003103 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003104 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                        ***       11/08/06
                    ***                                                        ***     14:35:53
**MODELOPTs:                                                                    PAGE  51
CONC              URBAN ELEV  FLGPOL                      NOCALM                  HE>ZI

              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


  HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0003105 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003106 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003107 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003108 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003109 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                        ***       11/08/06
                    ***                                                        ***     14:35:53
**MODELOPTs:                                                                    PAGE  52
CONC              URBAN ELEV  FLGPOL                      NOCALM                  HE>ZI

              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


  HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0003110 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003111 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003112 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003113 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003114 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                        ***       11/08/06
                    ***                                                        ***     14:35:53
**MODELOPTs:                                                                    PAGE  53
CONC              URBAN ELEV  FLGPOL                      NOCALM                  HE>ZI

              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


  HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -


SOURCE ID = L0003115 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003116 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003117 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003118 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

SOURCE ID = L0003119 ;  SOURCE TYPE = VOLUME   :
    1  .00000E+00    2  .00000E+00    3  .00000E+00    4  .00000E+00    5  .00000E+00    6  .00000E+00
    7  .00000E+00    8  .10000E+01    9  .10000E+01   10  .10000E+01   11  .10000E+01   12  .10000E+01
   13  .10000E+01   14  .10000E+01   15  .10000E+01   16  .00000E+00   17  .00000E+00   18  .00000E+00
   19  .00000E+00   20  .00000E+00   21  .00000E+00   22  .00000E+00   23  .00000E+00   24  .00000E+00

 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                        ***       11/08/06
                    ***                                                        ***     14:35:53
**MODELOPTs:                                                                    PAGE  54
CONC              URBAN ELEV  FLGPOL                      NOCALM                  HE>ZI

              * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *


  HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR   SCALAR     HOUR
SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

SOURCE ID = L0003120 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003121 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003122 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003123 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003137 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 55
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003138 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003139 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003140 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003141 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003142 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 56
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003143 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003144 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003145 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003146 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003147 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 57
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003148 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003149 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003150 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003151 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003152 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
**MODELOPTs: PAGE 58
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003153 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003154 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003155 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003156 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003157 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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*** *** 14:35:53
**MODELOPTs: PAGE 59
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

SOURCE ID = L0003158 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003159 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003160 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003161 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

SOURCE ID = L0003162 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

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**MODELOPTs: PAGE 60
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(382551.8, 3744750.8, 4.6, 1.8); (382587.4, 3744750.8, 3.3, 1.8);
(382623.0, 3744750.8, 3.4, 1.8); (382658.6, 3744750.8, 3.7, 1.8);
(382694.2, 3744750.8, 3.7, 1.8); (382729.8, 3744750.8, 3.3, 1.8);
(382765.4, 3744750.8, 3.0, 1.8); (382801.1, 3744750.8, 3.0, 1.8);
(382836.7, 3744750.8, 3.0, 1.8); (382872.3, 3744750.8, 3.0, 1.8);
(382907.9, 3744750.8, 3.1, 1.8); (382943.5, 3744750.8, 3.3, 1.8);
(382979.1, 3744750.8, 4.0, 1.8); (383014.7, 3744750.8, 4.9, 1.8);
(383050.3, 3744750.8, 5.5, 1.8); (382551.8, 3744773.5, 4.6, 1.8);
(382587.4, 3744773.5, 3.1, 1.8); (382623.0, 3744773.5, 3.6, 1.8);
(382658.6, 3744773.5, 3.9, 1.8); (382694.2, 3744773.5, 4.0, 1.8);
(382729.8, 3744773.5, 3.6, 1.8); (382765.4, 3744773.5, 3.3, 1.8);
(382801.1, 3744773.5, 3.3, 1.8); (382836.7, 3744773.5, 3.3, 1.8);
(382872.3, 3744773.5, 3.3, 1.8); (382907.9, 3744773.5, 3.0, 1.8);
(382943.5, 3744773.5, 3.2, 1.8); (382979.1, 3744773.5, 4.0, 1.8);
(383014.7, 3744773.5, 5.0, 1.8); (383050.3, 3744773.5, 5.8, 1.8);
(382551.8, 3744796.3, 4.5, 1.8); (382587.4, 3744796.3, 3.0, 1.8);
(382623.0, 3744796.3, 3.7, 1.8); (382658.6, 3744796.3, 4.2, 1.8);
(382694.2, 3744796.3, 4.2, 1.8); (382729.8, 3744796.3, 3.9, 1.8);
(382765.4, 3744796.3, 3.7, 1.8); (382801.1, 3744796.3, 3.7, 1.8);
(382836.7, 3744796.3, 3.7, 1.8); (382872.3, 3744796.3, 3.7, 1.8);
(382907.9, 3744796.3, 3.6, 1.8); (382943.5, 3744796.3, 3.1, 1.8);
(382979.1, 3744796.3, 4.0, 1.8); (383014.7, 3744796.3, 5.4, 1.8);
(383050.3, 3744796.3, 6.1, 1.8); (382551.8, 3744819.0, 4.6, 1.8);
(382587.4, 3744819.0, 3.3, 1.8); (382623.0, 3744819.0, 3.9, 1.8);
(382658.6, 3744819.0, 4.6, 1.8); (382694.2, 3744819.0, 4.5, 1.8);
(382729.8, 3744819.0, 4.6, 1.8); (382765.4, 3744819.0, 4.2, 1.8);
(382801.1, 3744819.0, 4.0, 1.8); (382836.7, 3744819.0, 4.0, 1.8);
(382872.3, 3744819.0, 4.0, 1.8); (382907.9, 3744819.0, 3.9, 1.8);
(382943.5, 3744819.0, 3.1, 1.8); (382979.1, 3744819.0, 3.7, 1.8);
(383014.7, 3744819.0, 5.6, 1.8); (383050.3, 3744819.0, 6.1, 1.8);
(382551.8, 3744841.8, 4.5, 1.8); (382587.4, 3744841.8, 4.0, 1.8);
(382623.0, 3744841.8, 4.6, 1.8); (382658.6, 3744841.8, 4.9, 1.8);
(382694.2, 3744841.8, 4.9, 1.8); (382729.8, 3744841.8, 4.9, 1.8);
(382765.4, 3744841.8, 4.6, 1.8); (382801.1, 3744841.8, 4.6, 1.8);
(382836.7, 3744841.8, 4.6, 1.8); (382872.3, 3744841.8, 4.6, 1.8);
(382907.9, 3744841.8, 4.4, 1.8); (382943.5, 3744841.8, 3.6, 1.8);
(382979.1, 3744841.8, 3.1, 1.8); (383014.7, 3744841.8, 5.7, 1.8);
(383050.3, 3744841.8, 6.1, 1.8); (382551.8, 3744864.5, 5.0, 1.8);
(382587.4, 3744864.5, 4.8, 1.8); (382623.0, 3744864.5, 5.3, 1.8);
(382658.6, 3744864.5, 5.3, 1.8); (382694.2, 3744864.5, 5.3, 1.8);
(382729.8, 3744864.5, 5.3, 1.8); (382765.4, 3744864.5, 5.3, 1.8);
(382801.1, 3744864.5, 5.3, 1.8); (382836.7, 3744864.5, 5.3, 1.8);
(382872.3, 3744864.5, 5.3, 1.8); (382907.9, 3744864.5, 5.3, 1.8);
(382943.5, 3744864.5, 4.7, 1.8); (382979.1, 3744864.5, 3.7, 1.8);
(383014.7, 3744864.5, 5.3, 1.8); (383050.3, 3744864.5, 6.1, 1.8);
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**MODELOPTs: PAGE 61
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(382551.8, 3744887.0, 6.7, 1.8); (382587.4, 3744887.0, 7.1, 1.8);
(382623.0, 3744887.0, 7.5, 1.8); (382658.6, 3744887.0, 7.5, 1.8);
(382694.2, 3744887.0, 7.4, 1.8); (382729.8, 3744887.0, 7.6, 1.8);
(382765.4, 3744887.0, 7.3, 1.8); (382801.1, 3744887.0, 7.3, 1.8);
(382836.7, 3744887.0, 7.3, 1.8); (382872.3, 3744887.0, 7.2, 1.8);
(382907.9, 3744887.0, 7.8, 1.8); (382943.5, 3744887.0, 7.4, 1.8);
(382979.1, 3744887.0, 4.7, 1.8); (383014.7, 3744887.0, 4.7, 1.8);
(383050.3, 3744887.0, 6.1, 1.8); (382551.8, 3744909.8, 10.9, 1.8);
(382587.4, 3744909.8, 11.8, 1.8); (382623.0, 3744909.8, 11.6, 1.8);
(382658.6, 3744909.8, 11.9, 1.8); (382694.2, 3744909.8, 13.1, 1.8);
(382729.8, 3744909.8, 13.7, 1.8); (382765.4, 3744909.8, 12.9, 1.8);
(382801.1, 3744909.8, 11.6, 1.8); (382836.7, 3744909.8, 10.0, 1.8);
(382872.3, 3744909.8, 8.8, 1.8); (382907.9, 3744909.8, 10.3, 1.8);
(382943.5, 3744909.8, 10.6, 1.8); (382979.1, 3744909.8, 5.2, 1.8);
(383014.7, 3744909.8, 5.5, 1.8); (382551.8, 3744932.5, 11.2, 1.8);
(382587.4, 3744932.5, 11.5, 1.8); (382623.0, 3744932.5, 11.8, 1.8);
(382658.6, 3744932.5, 12.7, 1.8); (382694.2, 3744932.5, 13.8, 1.8);
(382729.8, 3744932.5, 14.6, 1.8); (382765.4, 3744932.5, 13.9, 1.8);
(382801.1, 3744932.5, 11.6, 1.8); (382836.7, 3744932.5, 9.2, 1.8);
(382872.3, 3744932.5, 9.8, 1.8); (382907.9, 3744932.5, 11.9, 1.8);
(382943.5, 3744932.5, 11.8, 1.8); (382979.1, 3744932.5, 5.8, 1.8);
(383014.7, 3744932.5, 5.9, 1.8); (382551.8, 3744955.3, 10.0, 1.8);
(382587.4, 3744955.3, 10.4, 1.8); (382623.0, 3744955.3, 10.9, 1.8);
(382658.6, 3744955.3, 12.0, 1.8); (382694.2, 3744955.3, 12.9, 1.8);
(382729.8, 3744955.3, 13.6, 1.8); (382765.4, 3744955.3, 13.0, 1.8);
(382801.1, 3744955.3, 10.0, 1.8); (382836.7, 3744955.3, 9.2, 1.8);
(382872.3, 3744955.3, 11.4, 1.8); (382907.9, 3744955.3, 13.1, 1.8);
(382943.5, 3744955.3, 12.2, 1.8); (382979.1, 3744955.3, 5.8, 1.8);
(383014.7, 3744955.3, 5.9, 1.8); (382551.8, 3744978.0, 8.9, 1.8);
(382587.4, 3744978.0, 8.6, 1.8); (382623.0, 3744978.0, 8.8, 1.8);
(382658.6, 3744978.0, 9.7, 1.8); (382694.2, 3744978.0, 11.4, 1.8);
(382729.8, 3744978.0, 12.5, 1.8); (382765.4, 3744978.0, 11.4, 1.8);
(382801.1, 3744978.0, 8.9, 1.8); (382836.7, 3744978.0, 10.6, 1.8);
(382872.3, 3744978.0, 12.8, 1.8); (382907.9, 3744978.0, 14.3, 1.8);
(382943.5, 3744978.0, 12.2, 1.8); (382979.1, 3744978.0, 6.1, 1.8);
(383014.7, 3744978.0, 5.9, 1.8); (382551.8, 3745000.8, 10.6, 1.8);
(382587.4, 3745000.8, 10.3, 1.8); (382623.0, 3745000.8, 9.8, 1.8);
(382658.6, 3745000.8, 8.6, 1.8); (382694.2, 3745000.8, 9.2, 1.8);
(382729.8, 3745000.8, 11.3, 1.8); (382765.4, 3745000.8, 9.7, 1.8);
(382801.1, 3745000.8, 9.2, 1.8); (382836.7, 3745000.8, 11.7, 1.8);
(382872.3, 3745000.8, 13.4, 1.8); (382907.9, 3745000.8, 14.9, 1.8);
(382943.5, 3745000.8, 12.1, 1.8); (382551.8, 3745023.3, 11.0, 1.8);
(382587.4, 3745023.3, 11.0, 1.8); (382623.0, 3745023.3, 10.9, 1.8);
(382658.6, 3745023.3, 10.3, 1.8); (382694.2, 3745023.3, 8.7, 1.8);
(382729.8, 3745023.3, 9.6, 1.8); (382765.4, 3745023.3, 8.9, 1.8);
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*** *** 14:35:53
**MODELOPTs: PAGE 62
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(382801.1, 3745023.3, 9.8, 1.8); (382836.7, 3745023.3, 12.4, 1.8);
(382872.3, 3745023.3, 13.9, 1.8); (382907.9, 3745023.3, 14.7, 1.8);
(382551.8, 3745046.0, 11.2, 1.8); (382587.4, 3745046.0, 11.2, 1.8);
(382623.0, 3745046.0, 11.2, 1.8); (382658.6, 3745046.0, 11.4, 1.8);
(382694.2, 3745046.0, 10.8, 1.8); (382728.9, 3745037.5, 8.9, 1.8);
(382764.5, 3745037.5, 9.2, 1.8); (382800.1, 3745037.5, 10.3, 1.8);
(382835.7, 3745037.5, 12.3, 1.8); (382871.3, 3745037.5, 13.7, 1.8);
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002488	382872.3	3745000.8	-15.67
L0002488	382907.9	3745000.8	-19.48
L0002488	382943.5	3745000.8	-7.01
L0002488	382836.7	3745023.3	-13.28
L0002488	382872.3	3745023.3	-36.34
L0002488	382907.9	3745023.3	-41.69
L0002488	382835.7	3745037.5	-20.53
L0002488	382871.3	3745037.5	-47.90
L0002489	382943.5	3744932.5	-0.36
L0002489	382979.1	3744932.5	-4.73
L0002489	382907.9	3744955.3	-0.93
L0002489	382943.5	3744955.3	-21.58
L0002489	382979.1	3744955.3	-27.38
L0002489	383014.7	3744955.3	-14.89
L0002489	382907.9	3744978.0	-15.21
L0002489	382943.5	3744978.0	-41.45
L0002489	382979.1	3744978.0	-49.93
L0002489	383014.7	3744978.0	-32.45
L0002489	382907.9	3745000.8	-24.62
L0002489	382943.5	3745000.8	-57.48
L0002489	382907.9	3745023.3	-27.02
L0002490	383014.7	3744909.8	0.43
L0002490	383014.7	3744932.5	-18.84
L0002490	382979.1	3744955.3	-4.98
L0002490	383014.7	3744955.3	-35.46
L0002490	382979.1	3744978.0	-11.68
L0002490	383014.7	3744978.0	-46.44
L0002491	383050.3	3744887.0	-1.77
L0002502	382943.5	3745000.8	-1.26
L0002503	383014.7	3744955.3	0.48
L0002503	382979.1	3744978.0	-9.37
L0002503	383014.7	3744978.0	-22.20
L0002504	383014.7	3744978.0	-0.86
L0002517	383050.3	3744887.0	-17.78
L0002689	382872.3	3745000.8	-15.67
L0002689	382907.9	3745000.8	-19.48
L0002689	382943.5	3745000.8	-7.01
L0002689	382836.7	3745023.3	-13.28
L0002689	382872.3	3745023.3	-36.34
L0002689	382907.9	3745023.3	-41.69

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*** *** 14:35:53
**MODELOPTs: PAGE 64
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002689	382835.7	3745037.5	-20.53
L0002689	382871.3	3745037.5	-47.90
L0002690	382943.5	3744932.5	-0.36
L0002690	382979.1	3744932.5	-4.73
L0002690	382907.9	3744955.3	-0.93
L0002690	382943.5	3744955.3	-21.58
L0002690	382979.1	3744955.3	-27.38
L0002690	383014.7	3744955.3	-14.89
L0002690	382907.9	3744978.0	-15.21
L0002690	382943.5	3744978.0	-41.45
L0002690	382979.1	3744978.0	-49.93
L0002690	383014.7	3744978.0	-32.45
L0002690	382907.9	3745000.8	-24.62
L0002690	382943.5	3745000.8	-57.48
L0002690	382907.9	3745023.3	-27.02
L0002691	383014.7	3744909.8	0.43
L0002691	383014.7	3744932.5	-18.84
L0002691	382979.1	3744955.3	-4.98
L0002691	383014.7	3744955.3	-35.46
L0002691	382979.1	3744978.0	-11.68
L0002691	383014.7	3744978.0	-46.44
L0002692	383050.3	3744887.0	-1.77
L0002703	382943.5	3745000.8	-1.26
L0002704	383014.7	3744955.3	0.48

L0002704	382979.1	3744978.0	-9.37
L0002704	383014.7	3744978.0	-22.20
L0002705	383014.7	3744978.0	-0.86
L0002718	383050.3	3744887.0	-17.78
L0002566	383050.3	3744887.0	-17.78
L0002749	383050.3	3744887.0	-17.78
L0002818	382872.3	3745000.8	-15.67
L0002818	382907.9	3745000.8	-19.48
L0002818	382943.5	3745000.8	-7.01
L0002818	382836.7	3745023.3	-13.28
L0002818	382872.3	3745023.3	-36.34
L0002818	382907.9	3745023.3	-41.69
L0002818	382835.7	3745037.5	-20.53
L0002818	382871.3	3745037.5	-47.90
L0002819	382943.5	3744932.5	-0.36
L0002819	382979.1	3744932.5	-4.73

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*** *** 14:35:53
**MODELOPTs: PAGE 65
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0002819	382907.9	3744955.3	-0.93
L0002819	382943.5	3744955.3	-21.58
L0002819	382979.1	3744955.3	-27.38
L0002819	383014.7	3744955.3	-14.89
L0002819	382907.9	3744978.0	-15.21
L0002819	382943.5	3744978.0	-41.45
L0002819	382979.1	3744978.0	-49.93
L0002819	383014.7	3744978.0	-32.45
L0002819	382907.9	3745000.8	-24.62
L0002819	382943.5	3745000.8	-57.48
L0002819	382907.9	3745023.3	-27.02
L0002820	383014.7	3744909.8	0.43
L0002820	383014.7	3744932.5	-18.84
L0002820	382979.1	3744955.3	-4.98
L0002820	383014.7	3744955.3	-35.46
L0002820	382979.1	3744978.0	-11.68
L0002820	383014.7	3744978.0	-46.44
L0002821	383050.3	3744887.0	-1.77
L0002832	382943.5	3745000.8	-1.26
L0002833	383014.7	3744955.3	0.48
L0002833	382979.1	3744978.0	-9.37
L0002833	383014.7	3744978.0	-22.20
L0002834	383014.7	3744978.0	-0.86
L0002847	383050.3	3744887.0	-17.78
L0002811	383050.3	3744887.0	-17.78
L0003058	382872.3	3745000.8	-15.67
L0003058	382907.9	3745000.8	-19.48
L0003058	382943.5	3745000.8	-7.01
L0003058	382836.7	3745023.3	-13.28
L0003058	382872.3	3745023.3	-36.34
L0003058	382907.9	3745023.3	-41.69
L0003058	382835.7	3745037.5	-20.53
L0003058	382871.3	3745037.5	-47.90
L0003059	382943.5	3744932.5	-0.36
L0003059	382979.1	3744932.5	-4.73
L0003059	382907.9	3744955.3	-0.93
L0003059	382943.5	3744955.3	-21.58
L0003059	382979.1	3744955.3	-27.38
L0003059	383014.7	3744955.3	-14.89
L0003059	382907.9	3744978.0	-15.21

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*** *** 14:35:53
**MODELOPTs: PAGE 66
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003059	382943.5	3744978.0	-41.45
L0003059	382979.1	3744978.0	-49.93
L0003059	383014.7	3744978.0	-32.45
L0003059	382907.9	3745000.8	-24.62
L0003059	382943.5	3745000.8	-57.48
L0003059	382907.9	3745023.3	-27.02
L0003060	383014.7	3744909.8	0.43
L0003060	383014.7	3744932.5	-18.84
L0003060	382979.1	3744955.3	-4.98
L0003060	383014.7	3744955.3	-35.46
L0003060	382979.1	3744978.0	-11.68
L0003060	383014.7	3744978.0	-46.44
L0003061	383050.3	3744887.0	-1.77
L0003072	382943.5	3745000.8	-1.26
L0003073	383014.7	3744955.3	0.48
L0003073	382979.1	3744978.0	-9.37
L0003073	383014.7	3744978.0	-22.20
L0003074	383014.7	3744978.0	-0.86
L0003087	383050.3	3744887.0	-17.78
L0003094	382872.3	3745000.8	-15.67
L0003094	382907.9	3745000.8	-19.48
L0003094	382943.5	3745000.8	-7.01
L0003094	382836.7	3745023.3	-13.28
L0003094	382872.3	3745023.3	-36.34
L0003094	382907.9	3745023.3	-41.69
L0003094	382835.7	3745037.5	-20.53
L0003094	382871.3	3745037.5	-47.90
L0003095	382943.5	3744932.5	-0.36
L0003095	382979.1	3744932.5	-4.73
L0003095	382907.9	3744955.3	-0.93
L0003095	382943.5	3744955.3	-21.58
L0003095	382979.1	3744955.3	-27.38
L0003095	383014.7	3744955.3	-14.89
L0003095	382907.9	3744978.0	-15.21
L0003095	382943.5	3744978.0	-41.45
L0003095	382979.1	3744978.0	-49.93
L0003095	383014.7	3744978.0	-32.45
L0003095	382907.9	3745000.8	-24.62
L0003095	382943.5	3745000.8	-57.48
L0003095	382907.9	3745023.3	-27.02

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 67
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0003096	383014.7	3744909.8	0.43
L0003096	383014.7	3744932.5	-18.84
L0003096	382979.1	3744955.3	-4.98
L0003096	383014.7	3744955.3	-35.46
L0003096	382979.1	3744978.0	-11.68
L0003096	383014.7	3744978.0	-46.44
L0003097	383050.3	3744887.0	-1.77
L0003108	382943.5	3745000.8	-1.26
L0003109	383014.7	3744955.3	0.48
L0003109	382979.1	3744978.0	-9.37
L0003109	383014.7	3744978.0	-22.20
L0003110	383014.7	3744978.0	-0.86
L0003123	383050.3	3744887.0	-17.78
L0003141	383050.3	3744887.0	-17.78
L0003154	383050.3	3744887.0	-17.78

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 68
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

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1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
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1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 111111
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NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
B	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00	.15000E+00
C	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00	.20000E+00
D	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00	.25000E+00
E	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00
F	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00	.30000E+00

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

STABILITY CATEGORY	WIND SPEED CATEGORY 1	2	3	4	5	6
A	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
B	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
C	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
D	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00
E	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01	.20000E-01
F	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01	.35000E-01

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**MODELOPTs: PAGE 69
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: Met\LONGBCH.ASC
FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)
SURFACE STATION NO.: 53101 UPPER AIR STATION NO.: 91919
NAME: UNKNOWN NAME: UNKNOWN
YEAR: 1981 YEAR: 1981

YR MN DY HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MIXING HEIGHT (M) RURAL	URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-0 (M)	IPCODE	PRATE (mm/HR)
81 01 01 01	112.3	1.00	282.6	7	387.2	152.0	0.0000	0.0	0.0000	0	0.00
81 01 01 02	102.4	0.00	282.6	7	397.3	152.0	0.0000	0.0	0.0000	0	0.00
81 01 01 03	85.0	1.00	283.1	7	407.3	152.0	0.0000	0.0	0.0000	0	0.00
81 01 01 04	98.5	0.00	283.7	7	417.4	152.0	0.0000	0.0	0.0000	0	0.00
81 01 01 05	106.5	1.00	281.5	7	427.5	152.0	0.0000	0.0	0.0000	0	0.00
81 01 01 06	207.0	1.00	281.5	7	437.5	152.0	0.0000	0.0	0.0000	0	0.00
81 01 01 07	207.0	0.00	280.4	7	447.6	152.0	0.0000	0.0	0.0000	0	0.00
81 01 01 08	67.2	1.00	282.0	6	71.6	202.6	0.0000	0.0	0.0000	0	0.00
81 01 01 09	164.0	1.00	286.5	5	146.0	255.1	0.0000	0.0	0.0000	0	0.00
81 01 01 10	189.1	1.00	290.4	4	220.4	307.7	0.0000	0.0	0.0000	0	0.00
81 01 01 11	66.6	1.00	294.3	3	294.8	360.3	0.0000	0.0	0.0000	0	0.00
81 01 01 12	13.1	1.00	295.4	2	369.2	412.9	0.0000	0.0	0.0000	0	0.00
81 01 01 13	42.2	1.34	297.6	2	443.6	465.4	0.0000	0.0	0.0000	0	0.00
81 01 01 14	79.2	1.79	295.9	3	518.0	518.0	0.0000	0.0	0.0000	0	0.00
81 01 01 15	89.8	1.79	294.8	3	518.0	518.0	0.0000	0.0	0.0000	0	0.00
81 01 01 16	98.2	1.79	293.1	4	518.0	518.0	0.0000	0.0	0.0000	0	0.00
81 01 01 17	87.6	1.34	290.4	5	518.0	510.6	0.0000	0.0	0.0000	0	0.00
81 01 01 18	97.6	1.34	288.1	6	518.0	468.1	0.0000	0.0	0.0000	0	0.00
81 01 01 19	88.0	1.34	287.6	7	518.0	425.6	0.0000	0.0	0.0000	0	0.00
81 01 01 20	100.7	0.00	287.0	7	518.0	383.1	0.0000	0.0	0.0000	0	0.00
81 01 01 21	133.6	1.00	285.9	7	518.0	340.6	0.0000	0.0	0.0000	0	0.00
81 01 01 22	182.0	1.00	285.9	7	518.0	298.0	0.0000	0.0	0.0000	0	0.00

81 01 01 23 225.7 1.00 285.4 7 518.0 255.5 0.0000 0.0 0.0000 0 0.00
81 01 01 24 179.7 1.00 284.8 7 518.0 213.0 0.0000 0.0 0.0000 0 0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 70
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	1.16136	382587.38	3744750.75	1.25491
382623.00	3744750.75	1.35287	382658.63	3744750.75	1.45613
382694.22	3744750.75	1.57051	382729.84	3744750.75	1.70883
382765.44	3744750.75	1.88714	382801.06	3744750.75	2.11334
382836.66	3744750.75	2.37282	382872.28	3744750.75	2.63493
382907.88	3744750.75	2.86854	382943.50	3744750.75	3.06579
382979.09	3744750.75	3.25664	383014.72	3744750.75	3.48225
383050.31	3744750.75	3.80604	382551.78	3744773.50	1.21065
382587.38	3744773.50	1.31794	382623.00	3744773.50	1.43289
382658.63	3744773.50	1.55190	382694.22	3744773.50	1.68105
382729.84	3744773.50	1.83324	382765.44	3744773.50	2.02819
382801.06	3744773.50	2.27811	382836.66	3744773.50	2.56825
382872.28	3744773.50	2.86383	382907.88	3744773.50	3.12422
382943.50	3744773.50	3.34115	382979.09	3744773.50	3.55343
383014.72	3744773.50	3.81242	383050.31	3744773.50	4.17389
382551.78	3744796.25	1.25882	382587.38	3744796.25	1.38187
382623.00	3744796.25	1.51602	382658.63	3744796.25	1.65553
382694.22	3744796.25	1.80358	382729.84	3744796.25	1.97444
382765.44	3744796.25	2.18960	382801.06	3744796.25	2.46729
382836.66	3744796.25	2.79617	382872.28	3744796.25	3.13214
382907.88	3744796.25	3.42970	382943.50	3744796.25	3.66466
382979.09	3744796.25	3.90416	383014.72	3744796.25	4.19900
383050.31	3744796.25	4.61937	382551.78	3744819.00	1.30517
382587.38	3744819.00	1.44659	382623.00	3744819.00	1.60255
382658.63	3744819.00	1.76708	382694.22	3744819.00	1.94007
382729.84	3744819.00	2.13620	382765.44	3744819.00	2.37644
382801.06	3744819.00	2.68756	382836.66	3744819.00	3.06160
382872.28	3744819.00	3.44898	382907.88	3744819.00	3.79247
382943.50	3744819.00	4.05011	382979.09	3744819.00	4.31258
383014.72	3744819.00	4.66234	383050.31	3744819.00	5.10457
382551.78	3744841.75	1.34888	382587.38	3744841.75	1.51075
382623.00	3744841.75	1.69165	382658.63	3744841.75	1.88489
382694.22	3744841.75	2.09051	382729.84	3744841.75	2.31886
382765.44	3744841.75	2.59401	382801.06	3744841.75	2.94691
382836.66	3744841.75	3.38107	382872.28	3744841.75	3.83473
382907.88	3744841.75	4.23246	382943.50	3744841.75	4.53436
382979.09	3744841.75	4.79318	383014.72	3744841.75	5.20575
383050.31	3744841.75	5.53052	382551.78	3744864.50	1.39056
382587.38	3744864.50	1.57269	382623.00	3744864.50	1.78007
382658.63	3744864.50	2.00779	382694.22	3744864.50	2.25359

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 71
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	2.52606	382765.44	3744864.50	2.84768
382801.06	3744864.50	3.25920	382836.66	3744864.50	3.76422
382872.28	3744864.50	4.30384	382907.88	3744864.50	4.78622
382943.50	3744864.50	5.15150	382979.09	3744864.50	5.43572
383014.72	3744864.50	5.79201	383050.31	3744864.50	5.76322
382551.78	3744887.00	1.43060	382587.38	3744887.00	1.63208
382623.00	3744887.00	1.86790	382658.63	3744887.00	2.13641
382694.22	3744887.00	2.43425	382729.84	3744887.00	2.76648
382765.44	3744887.00	3.15243	382801.06	3744887.00	3.63805
382836.66	3744887.00	4.24275	382872.28	3744887.00	4.89925
382907.88	3744887.00	5.48531	382943.50	3744887.00	5.91902
382979.09	3744887.00	6.12093	383014.72	3744887.00	6.33734
383050.31	3744887.00	4.66074	382551.78	3744909.75	1.46895
382587.38	3744909.75	1.68786	382623.00	3744909.75	1.95131
382658.63	3744909.75	2.26461	382694.22	3744909.75	2.62720
382729.84	3744909.75	3.03760	382765.44	3744909.75	3.51571
382801.06	3744909.75	4.11233	382836.66	3744909.75	4.85038
382872.28	3744909.75	5.65399	382907.88	3744909.75	6.32120
382943.50	3744909.75	6.66635	382979.09	3744909.75	6.50879
383014.72	3744909.75	5.02624	382551.78	3744932.50	1.50347
382587.38	3744932.50	1.73718	382623.00	3744932.50	2.02628
382658.63	3744932.50	2.38216	382694.22	3744932.50	2.81339
382729.84	3744932.50	3.32337	382765.44	3744932.50	3.92179
382801.06	3744932.50	4.66461	382836.66	3744932.50	5.56313
382872.28	3744932.50	6.52110	382907.88	3744932.50	6.97962
382943.50	3744932.50	5.75649	382979.09	3744932.50	5.35390
383014.72	3744932.50	4.48489	382551.78	3744955.25	1.53628
382587.38	3744955.25	1.78377	382623.00	3744955.25	2.09598
382658.63	3744955.25	2.49382	382694.22	3744955.25	2.99677
382729.84	3744955.25	3.62437	382765.44	3744955.25	4.38917
382801.06	3744955.25	5.33225	382836.66	3744955.25	6.44823
382872.28	3744955.25	7.46108	382907.88	3744955.25	6.18082
382943.50	3744955.25	6.32922	382979.09	3744955.25	4.45960
383014.72	3744955.25	4.20598	382551.78	3744978.00	1.56704
382587.38	3744978.00	1.82691	382623.00	3744978.00	2.15928
382658.63	3744978.00	2.59524	382694.22	3744978.00	3.17186
382729.84	3744978.00	3.92715	382765.44	3744978.00	4.90570
382801.06	3744978.00	6.09059	382836.66	3744978.00	7.37159
382872.28	3744978.00	7.91136	382907.88	3744978.00	6.59920
382943.50	3744978.00	6.62808	382979.09	3744978.00	4.78584

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*** *** 14:35:53
**MODELOPTs: PAGE 72
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	4.54923	382551.78	3745000.75	1.59612
382587.38	3745000.75	1.86977	382623.00	3745000.75	2.22155
382658.63	3745000.75	2.68618	382694.22	3745000.75	3.32797
382729.84	3745000.75	4.22605	382765.44	3745000.75	5.43690
382801.06	3745000.75	6.88053	382836.66	3745000.75	7.79023
382872.28	3745000.75	7.67086	382907.88	3745000.75	6.75195
382943.50	3745000.75	6.46967	382551.78	3745023.25	1.61945
382587.38	3745023.25	1.90595	382623.00	3745023.25	2.27733
382658.63	3745023.25	2.77496	382694.22	3745023.25	3.46816
382729.84	3745023.25	4.48734	382765.44	3745023.25	5.97408
382801.06	3745023.25	7.81372	382836.66	3745023.25	8.24199
382872.28	3745023.25	9.25318	382907.88	3745023.25	8.35673
382551.78	3745046.00	1.63638	382587.38	3745046.00	1.93447
382623.00	3745046.00	2.32277	382658.63	3745046.00	2.84848
382694.22	3745046.00	3.59811	382728.88	3745037.50	4.60226
382764.50	3745037.50	6.25528	382800.09	3745037.50	8.30095
382835.72	3745037.50	9.37003	382871.31	3745037.50	10.83684

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 73
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	1.30716	382587.38	3744750.75	1.44457
382623.00	3744750.75	1.58630	382658.63	3744750.75	1.72422
382694.22	3744750.75	1.85042	382729.84	3744750.75	1.96358
382765.44	3744750.75	2.07551	382801.06	3744750.75	2.20871
382836.66	3744750.75	2.38795	382872.28	3744750.75	2.62711
382907.88	3744750.75	2.89715	382943.50	3744750.75	3.10736
382979.09	3744750.75	3.14843	383014.72	3744750.75	2.97129
383050.31	3744750.75	2.60556	382551.78	3744773.50	1.35319
382587.38	3744773.50	1.50865	382623.00	3744773.50	1.67601
382658.63	3744773.50	1.84531	382694.22	3744773.50	2.00802
382729.84	3744773.50	2.15960	382765.44	3744773.50	2.30792
382801.06	3744773.50	2.47638	382836.66	3744773.50	2.69027
382872.28	3744773.50	2.96999	382907.88	3744773.50	3.28468
382943.50	3744773.50	3.53280	382979.09	3744773.50	3.58323
383014.72	3744773.50	3.36751	383050.31	3744773.50	2.93177
382551.78	3744796.25	1.39724	382587.38	3744796.25	1.57098
382623.00	3744796.25	1.76387	382658.63	3744796.25	1.96718
382694.22	3744796.25	2.17139	382729.84	3744796.25	2.37042
382765.44	3744796.25	2.56777	382801.06	3744796.25	2.78463
382836.66	3744796.25	3.04851	382872.28	3744796.25	3.38431
382907.88	3744796.25	3.76664	382943.50	3744796.25	4.06366
382979.09	3744796.25	4.12633	383014.72	3744796.25	3.86245
383050.31	3744796.25	3.33495	382551.78	3744819.00	1.43965
382587.38	3744819.00	1.63224	382623.00	3744819.00	1.85067
382658.63	3744819.00	2.08900	382694.22	3744819.00	2.33958
382729.84	3744819.00	2.59565	382765.44	3744819.00	2.85556
382801.06	3744819.00	3.13733	382836.66	3744819.00	3.47248
382872.28	3744819.00	3.88695	382907.88	3744819.00	4.36229
382943.50	3744819.00	4.73449	382979.09	3744819.00	4.81366
383014.72	3744819.00	4.49344	383050.31	3744819.00	3.84571
382551.78	3744841.75	1.48000	382587.38	3744841.75	1.69231
382623.00	3744841.75	1.93642	382658.63	3744841.75	2.21043
382694.22	3744841.75	2.51043	382729.84	3744841.75	2.83085
382765.44	3744841.75	3.16864	382801.06	3744841.75	3.54125
382836.66	3744841.75	3.97570	382872.28	3744841.75	4.50433
382907.88	3744841.75	5.10880	382943.50	3744841.75	5.60766
382979.09	3744841.75	5.69878	383014.72	3744841.75	5.31656
383050.31	3744841.75	4.51127	382551.78	3744864.50	1.51843
382587.38	3744864.50	1.75006	382623.00	3744864.50	2.02036
382658.63	3744864.50	2.33116	382694.22	3744864.50	2.68334

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**MODELOPTs: PAGE 74
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	3.07520	382765.44	3744864.50	3.50705
382801.06	3744864.50	3.99387	382836.66	3744864.50	4.56980
382872.28	3744864.50	5.26143	382907.88	3744864.50	6.05568
382943.50	3744864.50	6.75916	382979.09	3744864.50	6.92246
383014.72	3744864.50	6.42793	383050.31	3744864.50	5.41246
382551.78	3744887.00	1.55353	382587.38	3744887.00	1.80346
382623.00	3744887.00	2.10040	382658.63	3744887.00	2.44937
382694.22	3744887.00	2.85555	382729.84	3744887.00	3.32373
382765.44	3744887.00	3.86033	382801.06	3744887.00	4.49069
382836.66	3744887.00	5.25262	382872.28	3744887.00	6.17817
382907.88	3744887.00	7.25396	382943.50	3744887.00	8.25799
382979.09	3744887.00	8.58854	383014.72	3744887.00	7.95880
383050.31	3744887.00	6.67340	382551.78	3744909.75	1.58518
382587.38	3744909.75	1.85217	382623.00	3744909.75	2.17652
382658.63	3744909.75	2.56599	382694.22	3744909.75	3.02969

382729.84	3744909.75	3.58065	382765.44	3744909.75	4.23522
382801.06	3744909.75	5.03426	382836.66	3744909.75	6.04632
382872.28	3744909.75	7.32023	382907.88	3744909.75	8.81756
382943.50	3744909.75	10.30028	382979.09	3744909.75	10.94044
383014.72	3744909.75	10.25778	382551.78	3744932.50	1.61315
382587.38	3744932.50	1.89482	382623.00	3744932.50	2.24525
382658.63	3744932.50	2.67645	382694.22	3744932.50	3.20183
382729.84	3744932.50	3.84114	382765.44	3744932.50	4.62484
382801.06	3744932.50	5.61803	382836.66	3744932.50	6.93927
382872.28	3744932.50	8.70569	382907.88	3744932.50	10.87716
382943.50	3744932.50	13.12804	382979.09	3744932.50	14.16377
383014.72	3744932.50	13.28033	382551.78	3744955.25	1.63749
382587.38	3744955.25	1.93055	382623.00	3744955.25	2.30361
382658.63	3744955.25	2.77547	382694.22	3744955.25	3.36571
382729.84	3744955.25	4.10162	382765.44	3744955.25	5.02711
382801.06	3744955.25	6.23498	382836.66	3744955.25	7.92530
382872.28	3744955.25	10.35685	382907.88	3744955.25	13.60334
382943.50	3744955.25	16.93080	382979.09	3744955.25	17.75646
383014.72	3744955.25	13.17042	382551.78	3744978.00	1.65859
382587.38	3744978.00	1.95931	382623.00	3744978.00	2.34957
382658.63	3744978.00	2.85715	382694.22	3744978.00	3.51219
382729.84	3744978.00	4.35154	382765.44	3744978.00	5.43107
382801.06	3744978.00	6.87703	382836.66	3744978.00	8.97555
382872.28	3744978.00	12.25605	382907.88	3744978.00	17.12535
382943.50	3744978.00	21.65063	382979.09	3744978.00	18.47315

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***

INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503, L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	10.02728	382551.78	3745000.75	1.67642
382587.38	3745000.75	1.98181	382623.00	3745000.75	2.38277
382658.63	3745000.75	2.91666	382694.22	3745000.75	3.62899
382729.84	3745000.75	4.57481	382765.44	3745000.75	5.82430
382801.06	3745000.75	7.52473	382836.66	3745000.75	10.05693
382872.28	3745000.75	14.31820	382907.88	3745000.75	21.20477
382943.50	3745000.75	17.02681	382551.78	3745023.25	1.68987
382587.38	3745023.25	1.99857	382623.00	3745023.25	2.40485
382658.63	3745023.25	2.95352	382694.22	3745023.25	3.70656
382729.84	3745023.25	4.74689	382765.44	3745023.25	6.17233
382801.06	3745023.25	8.15047	382836.66	3745023.25	11.13588
382872.28	3745023.25	16.41035	382907.88	3745023.25	25.14740
382551.78	3745046.00	1.69729	382587.38	3745046.00	2.00874
382623.00	3745046.00	2.41799	382658.63	3745046.00	2.97237
382694.22	3745046.00	3.74636	382728.88	3745037.50	4.78693
382764.50	3745037.50	6.30662	382800.09	3745037.50	8.45074
382835.72	3745037.50	11.67862	382871.31	3745037.50	17.32047

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*** *** 14:35:53
**MODELOPTs: PAGE 76
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***

INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511, L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	1.02739	382587.38	3744750.75	1.12247
382623.00	3744750.75	1.22638	382658.63	3744750.75	1.33935
382694.22	3744750.75	1.46199	382729.84	3744750.75	1.59609
382765.44	3744750.75	1.74431	382801.06	3744750.75	1.91106
382836.66	3744750.75	2.09972	382872.28	3744750.75	2.31393
382907.88	3744750.75	2.55694	382943.50	3744750.75	2.83593
382979.09	3744750.75	3.16392	383014.72	3744750.75	3.55940
383050.31	3744750.75	4.03362	382551.78	3744773.50	1.04995
382587.38	3744773.50	1.15126	382623.00	3744773.50	1.26318
382658.63	3744773.50	1.38564	382694.22	3744773.50	1.51976
382729.84	3744773.50	1.66778	382765.44	3744773.50	1.83288
382801.06	3744773.50	2.02018	382836.66	3744773.50	2.23368
382872.28	3744773.50	2.47779	382907.88	3744773.50	2.75388
382943.50	3744773.50	3.07023	382979.09	3744773.50	3.44084
383014.72	3744773.50	3.89199	383050.31	3744773.50	4.44443
382551.78	3744796.25	1.07175	382587.38	3744796.25	1.17944
382623.00	3744796.25	1.29944	382658.63	3744796.25	1.43172
382694.22	3744796.25	1.57761	382729.84	3744796.25	1.74004
382765.44	3744796.25	1.92304	382801.06	3744796.25	2.13237
382836.66	3744796.25	2.37373	382872.28	3744796.25	2.65166
382907.88	3744796.25	2.96923	382943.50	3744796.25	3.32871
382979.09	3744796.25	3.75164	383014.72	3744796.25	4.26386
383050.31	3744796.25	4.90715	382551.78	3744819.00	1.09254
382587.38	3744819.00	1.20709	382623.00	3744819.00	1.33527
382658.63	3744819.00	1.47758	382694.22	3744819.00	1.63572
382729.84	3744819.00	1.81317	382765.44	3744819.00	2.01459
382801.06	3744819.00	2.24726	382836.66	3744819.00	2.51873
382872.28	3744819.00	2.83573	382907.88	3744819.00	3.20011
382943.50	3744819.00	3.61370	382979.09	3744819.00	4.09551
383014.72	3744819.00	4.68109	383050.31	3744819.00	5.42528
382551.78	3744841.75	1.11217	382587.38	3744841.75	1.23372
382623.00	3744841.75	1.37048	382658.63	3744841.75	1.52316
382694.22	3744841.75	1.69398	382729.84	3744841.75	1.88691
382765.44	3744841.75	2.10739	382801.06	3744841.75	2.36484
382836.66	3744841.75	2.66872	382872.28	3744841.75	3.02904
382907.88	3744841.75	3.44875	382943.50	3744841.75	3.92796
382979.09	3744841.75	4.47670	383014.72	3744841.75	5.15189
383050.31	3744841.75	6.00943	382551.78	3744864.50	1.13047
382587.38	3744864.50	1.25892	382623.00	3744864.50	1.40443
382658.63	3744864.50	1.56827	382694.22	3744864.50	1.75261

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***

INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511, L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	1.96181	382765.44	3744864.50	2.20229
382801.06	3744864.50	2.48469	382836.66	3744864.50	2.82281
382872.28	3744864.50	3.22992	382907.88	3744864.50	3.71318
382943.50	3744864.50	4.27401	382979.09	3744864.50	4.91341
383014.72	3744864.50	5.68835	383050.31	3744864.50	6.67862
382551.78	3744887.00	1.14696	382587.38	3744887.00	1.28211
382623.00	3744887.00	1.43647	382658.63	3744887.00	1.61198
382694.22	3744887.00	1.81077	382729.84	3744887.00	2.03724
382765.44	3744887.00	2.29865	382801.06	3744887.00	2.60750
382836.66	3744887.00	2.97976	382872.28	3744887.00	3.43625
382907.88	3744887.00	3.98861	382943.50	3744887.00	4.64229
382979.09	3744887.00	5.39629	383014.72	3744887.00	6.28863
383050.31	3744887.00	7.44373	382551.78	3744909.75	1.16183
382587.38	3744909.75	1.30346	382623.00	3744909.75	1.46686
382658.63	3744909.75	1.65447	382694.22	3744909.75	1.86888
382729.84	3744909.75	2.11472	382765.44	3744909.75	2.39924
382801.06	3744909.75	2.73664	382836.66	3744909.75	3.14625
382872.28	3744909.75	3.65484	382907.88	3744909.75	4.28388
382943.50	3744909.75	5.04369	382979.09	3744909.75	5.93958
383014.72	3744909.75	6.99839	382551.78	3744932.50	1.17491
382587.38	3744932.50	1.32247	382623.00	3744932.50	1.49475
382658.63	3744932.50	1.69469	382694.22	3744932.50	1.92563
382729.84	3744932.50	2.19267	382765.44	3744932.50	2.50263
382801.06	3744932.50	2.87139	382836.66	3744932.50	3.32184
382872.28	3744932.50	3.88672	382907.88	3744932.50	4.59852
382943.50	3744932.50	5.48031	382979.09	3744932.50	6.54178
383014.72	3744932.50	7.80803	382551.78	3744955.25	1.18622
382587.38	3744955.25	1.33904	382623.00	3744955.25	1.51961
382658.63	3744955.25	1.73187	382694.22	3744955.25	1.97990
382729.84	3744955.25	2.26952	382765.44	3744955.25	2.60857
382801.06	3744955.25	3.01269	382836.66	3744955.25	3.50819
382872.28	3744955.25	4.13504	382907.88	3744955.25	4.93764
382943.50	3744955.25	5.95570	382979.09	3744955.25	7.21870
383014.72	3744955.25	8.76732	382551.78	3744978.00	1.19550
382587.38	3744978.00	1.35287	382623.00	3744978.00	1.54083
382658.63	3744978.00	1.76481	382694.22	3744978.00	2.03011
382729.84	3744978.00	2.34402	382765.44	3744978.00	2.71519
382801.06	3744978.00	3.15906	382836.66	3744978.00	3.70610
382872.28	3744978.00	4.40196	382907.88	3744978.00	5.30536
382943.50	3744978.00	6.47760	382979.09	3744978.00	7.97675

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 78
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***

INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511, L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	9.88138	382551.78	3745000.75	1.20267
382587.38	3745000.75	1.36379	382623.00	3745000.75	1.55812
382658.63	3745000.75	1.79267	382694.22	3745000.75	2.07500
382729.84	3745000.75	2.41372	382765.44	3745000.75	2.81919
382801.06	3745000.75	3.30998	382836.66	3745000.75	3.91486
382872.28	3745000.75	4.69213	382907.88	3745000.75	5.71176
382943.50	3745000.75	7.05573	382551.78	3745023.25	1.20762
382587.38	3745023.25	1.37149	382623.00	3745023.25	1.57101
382658.63	3745023.25	1.81470	382694.22	3745023.25	2.11233
382729.84	3745023.25	2.47577	382765.44	3745023.25	2.91804
382801.06	3745023.25	3.45867	382836.66	3745023.25	4.13192
382872.28	3745023.25	5.00027	382907.88	3745023.25	6.15380
382551.78	3745046.00	1.21006	382587.38	3745046.00	1.37597
382623.00	3745046.00	1.57931	382658.63	3745046.00	1.83064
382694.22	3745046.00	2.14188	382728.88	3745037.50	2.49930
382764.50	3745037.50	2.96209	382800.09	3745037.50	3.53429
382835.72	3745037.50	4.25192	382871.31	3745037.50	5.17793

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 79
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***

INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.51491	382587.38	3744750.75	0.57984
382623.00	3744750.75	0.65756	382658.63	3744750.75	0.75049
382694.22	3744750.75	0.86105	382729.84	3744750.75	0.99210
382765.44	3744750.75	1.14551	382801.06	3744750.75	1.32227
382836.66	3744750.75	1.51784	382872.28	3744750.75	1.72153
382907.88	3744750.75	1.91723	382943.50	3744750.75	2.10289
382979.09	3744750.75	2.31315	383014.72	3744750.75	2.60821
383050.31	3744750.75	2.89845	382551.78	3744773.50	0.52288
382587.38	3744773.50	0.58955	382623.00	3744773.50	0.67021
382658.63	3744773.50	0.76726	382694.22	3744773.50	0.88445
382729.84	3744773.50	1.02587	382765.44	3744773.50	1.19623
382801.06	3744773.50	1.40007	382836.66	3744773.50	1.63774
382872.28	3744773.50	1.90580	382907.88	3744773.50	2.18783
382943.50	3744773.50	2.47293	382979.09	3744773.50	2.78633
383014.72	3744773.50	3.17922	383050.31	3744773.50	3.55042
382551.78	3744796.25	0.53095	382587.38	3744796.25	0.59942
382623.00	3744796.25	0.68276	382658.63	3744796.25	0.78388
382694.22	3744796.25	0.90709	382729.84	3744796.25	1.05845
382765.44	3744796.25	1.24461	382801.06	3744796.25	1.47439
382836.66	3744796.25	1.75484	382872.28	3744796.25	2.09159
382907.88	3744796.25	2.48141	382943.50	3744796.25	2.90817

382979.09 3744796.25 3.40017 383014.72 3744796.25 3.98230
383050.31 3744796.25 4.50089 382551.78 3744819.00 0.53881
382587.38 3744819.00 0.60922 382623.00 3744819.00 0.69513
382658.63 3744819.00 0.80005 382694.22 3744819.00 0.92907
382729.84 3744819.00 1.08967 382765.44 3744819.00 1.29068
382801.06 3744819.00 1.54479 382836.66 3744819.00 1.86694
382872.28 3744819.00 2.27475 382907.88 3744819.00 2.78487
382943.50 3744819.00 3.39989 382979.09 3744819.00 4.16343
383014.72 3744819.00 5.13587 383050.31 3744819.00 5.96152
382551.78 3744841.75 0.54608 382587.38 3744841.75 0.61844
382623.00 3744841.75 0.70678 382658.63 3744841.75 0.81516
382694.22 3744841.75 0.94956 382729.84 3744841.75 1.11871
382765.44 3744841.75 1.33343 382801.06 3744841.75 1.61052
382836.66 3744841.75 1.97270 382872.28 3744841.75 2.45250
382907.88 3744841.75 3.08988 382943.50 3744841.75 3.93590
382979.09 3744841.75 5.08832 383014.72 3744841.75 6.80007
383050.31 3744841.75 8.09643 382551.78 3744864.50 0.55247
382587.38 3744864.50 0.62652 382623.00 3744864.50 0.71699
382658.63 3744864.50 0.82855 382694.22 3744864.50 0.96780

CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	1.14446	382765.44	3744864.50	1.37202
382801.06	3744864.50	1.67011	382836.66	3744864.50	2.06834
382872.28	3744864.50	2.61361	382907.88	3744864.50	3.38227
382943.50	3744864.50	4.49921	382979.09	3744864.50	6.15318
383014.72	3744864.50	8.64067	383050.31	3744864.50	6.38239
382551.78	3744887.00	0.55744	382587.38	3744887.00	0.63286
382623.00	3744887.00	0.72505	382658.63	3744887.00	0.83929
382694.22	3744887.00	0.98268	382729.84	3744887.00	1.16582
382765.44	3744887.00	1.40344	382801.06	3744887.00	1.71955
382836.66	3744887.00	2.14906	382872.28	3744887.00	2.75370
382907.88	3744887.00	3.63722	382943.50	3744887.00	5.00752
382979.09	3744887.00	7.25080	383014.72	3744887.00	10.00790
383050.31	3744887.00	6.22312	382551.78	3744909.75	0.56078
382587.38	3744909.75	0.63715	382623.00	3744909.75	0.73077
382658.63	3744909.75	0.84700	382694.22	3744909.75	0.99346
382729.84	3744909.75	1.18162	382765.44	3744909.75	1.42772
382801.06	3744909.75	1.75741	382836.66	3744909.75	2.21190
382872.28	3744909.75	2.86300	382907.88	3744909.75	3.84343
382943.50	3744909.75	5.41951	382979.09	3744909.75	8.22592
383014.72	3744909.75	9.76939	382551.78	3744932.50	0.56223
382587.38	3744932.50	0.63920	382623.00	3744932.50	0.73361
382658.63	3744932.50	0.85105	382694.22	3744932.50	0.99946
382729.84	3744932.50	1.19077	382765.44	3744932.50	1.44232
382801.06	3744932.50	1.78195	382836.66	3744932.50	2.25379
382872.28	3744932.50	2.93773	382907.88	3744932.50	3.97792
382943.50	3744932.50	5.68623	382979.09	3744932.50	8.78128
383014.72	3744932.50	11.02299	382551.78	3744955.25	0.56171
382587.38	3744955.25	0.63883	382623.00	3744955.25	0.73344
382658.63	3744955.25	0.85122	382694.22	3744955.25	1.00016
382729.84	3744955.25	1.19258	382765.44	3744955.25	1.44632
382801.06	3744955.25	1.79072	382836.66	3744955.25	2.27165
382872.28	3744955.25	2.97282	382907.88	3744955.25	4.05395
382943.50	3744955.25	5.84612	382979.09	3744955.25	9.13176
383014.72	3744955.25	13.19735	382551.78	3744978.00	0.55913
382587.38	3744978.00	0.63594	382623.00	3744978.00	0.73014
382658.63	3744978.00	0.84732	382694.22	3744978.00	0.99546
382729.84	3744978.00	1.18703	382765.44	3744978.00	1.44002
382801.06	3744978.00	1.78390	382836.66	3744978.00	2.26617
382872.28	3744978.00	2.97024	382907.88	3744978.00	4.05372
382943.50	3744978.00	5.86616	382979.09	3744978.00	9.24198

CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	14.14344	382551.78	3745000.75	0.55456
382587.38	3745000.75	0.63058	382623.00	3745000.75	0.72369
382658.63	3745000.75	0.83940	382694.22	3745000.75	0.98551
382729.84	3745000.75	1.17419	382765.44	3745000.75	1.42290
382801.06	3745000.75	1.76116	382836.66	3745000.75	2.23507
382872.28	3745000.75	2.93013	382907.88	3745000.75	4.00012
382943.50	3745000.75	5.78232	382551.78	3745023.25	0.54809
382587.38	3745023.25	0.62279	382623.00	3745023.25	0.71416
382658.63	3745023.25	0.82751	382694.22	3745023.25	0.97029
382729.84	3745023.25	1.15439	382765.44	3745023.25	1.39655
382801.06	3745023.25	1.72520	382836.66	3745023.25	2.18585
382872.28	3745023.25	2.85906	382907.88	3745023.25	3.90143
382551.78	3745046.00	0.53968	382587.38	3745046.00	0.61261
382623.00	3745046.00	0.70159	382658.63	3745046.00	0.81172
382694.22	3745046.00	0.95014	382728.88	3745037.50	1.13294
382764.50	3745037.50	1.36831	382800.09	3745037.50	1.68679
382835.72	3745037.50	2.13206	382871.31	3745037.50	2.77966

CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.18578	382587.38	3744750.75	0.20082
382623.00	3744750.75	0.21660	382658.63	3744750.75	0.23325
382694.22	3744750.75	0.25169	382729.84	3744750.75	0.27401
382765.44	3744750.75	0.30278	382801.06	3744750.75	0.33930
382836.66	3744750.75	0.38123	382872.28	3744750.75	0.42364
382907.88	3744750.75	0.46154	382943.50	3744750.75	0.49371
382979.09	3744750.75	0.52505	383014.72	3744750.75	0.56230
383050.31	3744750.75	0.61585	382551.78	3744773.50	0.19370
382587.38	3744773.50	0.21096	382623.00	3744773.50	0.22948
382658.63	3744773.50	0.24868	382694.22	3744773.50	0.26953
382729.84	3744773.50	0.29410	382765.44	3744773.50	0.32559
382801.06	3744773.50	0.36599	382836.66	3744773.50	0.41292
382872.28	3744773.50	0.46081	382907.88	3744773.50	0.50311
382943.50	3744773.50	0.53856	382979.09	3744773.50	0.57354
383014.72	3744773.50	0.61644	383050.31	3744773.50	0.67645
382551.78	3744796.25	0.20145	382587.38	3744796.25	0.22125
382623.00	3744796.25	0.24288	382658.63	3744796.25	0.26539
382694.22	3744796.25	0.28931	382729.84	3744796.25	0.31692
382765.44	3744796.25	0.35172	382801.06	3744796.25	0.39666
382836.66	3744796.25	0.44994	382872.28	3744796.25	0.50447
382907.88	3744796.25	0.55291	382943.50	3744796.25	0.59136
382979.09	3744796.25	0.63097	383014.72	3744796.25	0.68004
383050.31	3744796.25	0.75014	382551.78	3744819.00	0.20891
382587.38	3744819.00	0.23167	382623.00	3744819.00	0.25683
382658.63	3744819.00	0.28340	382694.22	3744819.00	0.31136
382729.84	3744819.00	0.34310	382765.44	3744819.00	0.38200
382801.06	3744819.00	0.43242	382836.66	3744819.00	0.49312
382872.28	3744819.00	0.55611	382907.88	3744819.00	0.61218
382943.50	3744819.00	0.65444	382979.09	3744819.00	0.69801
383014.72	3744819.00	0.75656	383050.31	3744819.00	0.83086
382551.78	3744841.75	0.21595	382587.38	3744841.75	0.24202
382623.00	3744841.75	0.27121	382658.63	3744841.75	0.30243
382694.22	3744841.75	0.33569	382729.84	3744841.75	0.37268
382765.44	3744841.75	0.41731	382801.06	3744841.75	0.47461
382836.66	3744841.75	0.54521	382872.28	3744841.75	0.61916
382907.88	3744841.75	0.68427	382943.50	3744841.75	0.73401
382979.09	3744841.75	0.77709	383014.72	3744841.75	0.84669
383050.31	3744841.75	0.90227	382551.78	3744864.50	0.22267
382587.38	3744864.50	0.25202	382623.00	3744864.50	0.28549
382658.63	3744864.50	0.32230	382694.22	3744864.50	0.36209

CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.40628	382765.44	3744864.50	0.45853
382801.06	3744864.50	0.52549	382836.66	3744864.50	0.60782
382872.28	3744864.50	0.69607	382907.88	3744864.50	0.77538
382943.50	3744864.50	0.83599	382979.09	3744864.50	0.88363
383014.72	3744864.50	0.94454	383050.31	3744864.50	0.94241
382551.78	3744887.00	0.22913	382587.38	3744887.00	0.26162
382623.00	3744887.00	0.29970	382658.63	3744887.00	0.34315
382694.22	3744887.00	0.39142	382729.84	3744887.00	0.44540
382765.44	3744887.00	0.50823	382801.06	3744887.00	0.58746
382836.66	3744887.00	0.68636	382872.28	3744887.00	0.79414
382907.88	3744887.00	0.89107	382943.50	3744887.00	0.96362
382979.09	3744887.00	0.99835	383014.72	3744887.00	1.03653
383050.31	3744887.00	0.76122	382551.78	3744909.75	0.23532
382587.38	3744909.75	0.27064	382623.00	3744909.75	0.31321
382658.63	3744909.75	0.36395	382694.22	3744909.75	0.42281
382729.84	3744909.75	0.48961	382765.44	3744909.75	0.56767
382801.06	3744909.75	0.66537	382836.66	3744909.75	0.78651
382872.28	3744909.75	0.91893	382907.88	3744909.75	1.03023
382943.50	3744909.75	1.08892	382979.09	3744909.75	1.06446
383014.72	3744909.75	0.81997	382551.78	3744932.50	0.24089
382587.38	3744932.50	0.27860	382623.00	3744932.50	0.32534
382658.63	3744932.50	0.38301	382694.22	3744932.50	0.45307
382729.84	3744932.50	0.53619	382765.44	3744932.50	0.63410
382801.06	3744932.50	0.75612	382836.66	3744932.50	0.90396
382872.28	3744932.50	1.06291	382907.88	3744932.50	1.14074
382943.50	3744932.50	0.93801	382979.09	3744932.50	0.87339
383014.72	3744932.50	0.73037	382551.78	3744955.25	0.24618
382587.38	3744955.25	0.28612	382623.00	3744955.25	0.33661
382658.63	3744955.25	0.40112	382694.22	3744955.25	0.48291
382729.84	3744955.25	0.58534	382765.44	3744955.25	0.71074
382801.06	3744955.25	0.86603	382836.66	3744955.25	1.05056
382872.28	3744955.25	1.22027	382907.88	3744955.25	1.00894
382943.50	3744955.25	1.03391	382979.09	3744955.25	0.72415
383014.72	3744955.25	0.68327	382551.78	3744978.00	0.25114
382587.38	3744978.00	0.29308	382623.00	3744978.00	0.34685
382658.63	3744978.00	0.41756	382694.22	3744978.00	0.51142
382729.84	3744978.00	0.63487	382765.44	3744978.00	0.79563
382801.06	3744978.00	0.99107	382836.66	3744978.00	1.20517
382872.28	3744978.00	1.29733	382907.88	3744978.00	1.07999
382943.50	3744978.00	1.08487	382979.09	3744978.00	0.77842

CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	0.73939	382551.78	3745000.75	0.25583
382587.38	3745000.75	0.30001	382623.00	3745000.75	0.35693
382658.63	3745000.75	0.43231	382694.22	3745000.75	0.53682
382729.84	3745000.75	0.68382	382765.44	3745000.75	0.88303
382801.06	3745000.75	1.12229	382836.66	3745000.75	1.27686
382872.28	3745000.75	1.25805	382907.88	3745000.75	1.10643
382943.50	3745000.75	1.05956	382551.78	3745023.25	0.25961
382587.38	3745023.25	0.30587	382623.00	3745023.25	0.36597
382658.63	3745023.25	0.44674	382694.22	3745023.25	0.55964
382729.84	3745023.25	0.72660	382765.44	3745023.25	0.97160
382801.06	3745023.25	1.27851	382836.66	3745023.25	1.35425
382872.28	3745023.25	1.52653	382907.88	3745023.25	1.37871
382551.78	3745046.00	0.26235	382587.38	3745046.00	0.31049
382623.00	3745046.00	0.37334	382658.63	3745046.00	0.45868
382694.22	3745046.00	0.58087	382728.88	3745037.50	0.74535
382764.50	3745037.50	1.01826	382800.09	3745037.50	1.36064
382835.72	3745037.50	1.54604	382871.31	3745037.50	1.79744

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.26713	382587.38	3744750.75	0.29535
382623.00	3744750.75	0.32451	382658.63	3744750.75	0.35293
382694.22	3744750.75	0.37898	382729.84	3744750.75	0.40240
382765.44	3744750.75	0.42559	382801.06	3744750.75	0.45319
382836.66	3744750.75	0.49027	382872.28	3744750.75	0.53973
382907.88	3744750.75	0.59560	382943.50	3744750.75	0.63920
382979.09	3744750.75	0.64795	383014.72	3744750.75	0.61166
383050.31	3744750.75	0.53634	382551.78	3744773.50	0.27657
382587.38	3744773.50	0.30851	382623.00	3744773.50	0.34294
382658.63	3744773.50	0.37783	382694.22	3744773.50	0.41142
382729.84	3744773.50	0.44278	382765.44	3744773.50	0.47352
382801.06	3744773.50	0.50845	382836.66	3744773.50	0.55278
382872.28	3744773.50	0.61073	382907.88	3744773.50	0.67594
382943.50	3744773.50	0.72750	382979.09	3744773.50	0.73833
383014.72	3744773.50	0.69412	383050.31	3744773.50	0.60429
382551.78	3744796.25	0.28562	382587.38	3744796.25	0.32131
382623.00	3744796.25	0.36100	382658.63	3744796.25	0.40290
382694.22	3744796.25	0.44506	382729.84	3744796.25	0.48624
382765.44	3744796.25	0.52715	382801.06	3744796.25	0.57216
382836.66	3744796.25	0.62694	382872.28	3744796.25	0.69664
382907.88	3744796.25	0.77606	382943.50	3744796.25	0.83789
382979.09	3744796.25	0.85145	383014.72	3744796.25	0.79738
383050.31	3744796.25	0.68848	382551.78	3744819.00	0.29432
382587.38	3744819.00	0.33390	382623.00	3744819.00	0.37885
382658.63	3744819.00	0.42797	382694.22	3744819.00	0.47971
382729.84	3744819.00	0.53270	382765.44	3744819.00	0.58661
382801.06	3744819.00	0.64514	382836.66	3744819.00	0.71481
382872.28	3744819.00	0.80101	382907.88	3744819.00	0.90001
382943.50	3744819.00	0.97767	382979.09	3744819.00	0.99490
383014.72	3744819.00	0.92939	383050.31	3744819.00	0.79545
382551.78	3744841.75	0.30261	382587.38	3744841.75	0.34625
382623.00	3744841.75	0.39649	382658.63	3744841.75	0.45297
382694.22	3744841.75	0.51493	382729.84	3744841.75	0.58125
382765.44	3744841.75	0.65134	382801.06	3744841.75	0.72882
382836.66	3744841.75	0.81928	382872.28	3744841.75	0.92947
382907.88	3744841.75	1.05569	382943.50	3744841.75	1.16018
382979.09	3744841.75	1.18000	383014.72	3744841.75	1.10219
383050.31	3744841.75	0.93536	382551.78	3744864.50	0.31050
382587.38	3744864.50	0.35812	382623.00	3744864.50	0.41376
382658.63	3744864.50	0.47784	382694.22	3744864.50	0.55058

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.63171	382765.44	3744864.50	0.72137
382801.06	3744864.50	0.82269	382836.66	3744864.50	0.94281
382872.28	3744864.50	1.08731	382907.88	3744864.50	1.25372
382943.50	3744864.50	1.40180	382979.09	3744864.50	1.43727
383014.72	3744864.50	1.33646	383050.31	3744864.50	1.12572
382551.78	3744887.00	0.31771	382587.38	3744887.00	0.36910
382623.00	3744887.00	0.43023	382658.63	3744887.00	0.50219
382694.22	3744887.00	0.58611	382729.84	3744887.00	0.68307
382765.44	3744887.00	0.79452	382801.06	3744887.00	0.92584
382836.66	3744887.00	1.08499	382872.28	3744887.00	1.27884
382907.88	3744887.00	1.50499	382943.50	3744887.00	1.71743
382979.09	3744887.00	1.78942	383014.72	3744887.00	1.66068
383050.31	3744887.00	1.39374	382551.78	3744909.75	0.32421
382587.38	3744909.75	0.37911	382623.00	3744909.75	0.44590
382658.63	3744909.75	0.52622	382694.22	3744909.75	0.62204
382729.84	3744909.75	0.73618	382765.44	3744909.75	0.87219
382801.06	3744909.75	1.03880	382836.66	3744909.75	1.25053
382872.28	3744909.75	1.51799	382907.88	3744909.75	1.83395
382943.50	3744909.75	2.14928	382979.09	3744909.75	2.28918
383014.72	3744909.75	2.15182	382551.78	3744932.50	0.32995
382587.38	3744932.50	0.38788	382623.00	3744932.50	0.46005
382658.63	3744932.50	0.54899	382694.22	3744932.50	0.65758
382729.84	3744932.50	0.79006	382765.44	3744932.50	0.95297
382801.06	3744932.50	1.16023	382836.66	3744932.50	1.43709
382872.28	3744932.50	1.80894	382907.88	3744932.50	2.26912
382943.50	3744932.50	2.75093	382979.09	3744932.50	2.97952
383014.72	3744932.50	2.80447	382551.78	3744955.25	0.33495
382587.38	3744955.25	0.39522	382623.00	3744955.25	0.47206
382658.63	3744955.25	0.56941	382694.22	3744955.25	0.69143
382729.84	3744955.25	0.84396	382765.44	3744955.25	1.03643
382801.06	3744955.25	1.28869	382836.66	3744955.25	1.64344
382872.28	3744955.25	2.15672	382907.88	3744955.25	2.84817
382943.50	3744955.25	3.56725	382979.09	3744955.25	3.75912
383014.72	3744955.25	2.79625	382551.78	3744978.00	0.33928
382587.38	3744978.00	0.40113	382623.00	3744978.00	0.48153
382658.63	3744978.00	0.58627	382694.22	3744978.00	0.72171
382729.84	3744978.00	0.89574	382765.44	3744978.00	1.12032
382801.06	3744978.00	1.42251	382836.66	3744978.00	1.86359
382872.28	3744978.00	2.55803	382907.88	3744978.00	3.60090
382943.50	3744978.00	4.59450	382979.09	3744978.00	3.93308

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	2.12551	382551.78	3745000.75	0.34294
382587.38	3745000.75	0.40576	382623.00	3745000.75	0.48837
382658.63	3745000.75	0.59855	382694.22	3745000.75	0.74588
382729.84	3745000.75	0.94204	382765.44	3745000.75	1.20209
382801.06	3745000.75	1.55769	382836.66	3745000.75	2.09067
382872.28	3745000.75	2.99519	382907.88	3745000.75	4.47748
382943.50	3745000.75	3.59708	382551.78	3745023.25	0.34570
382587.38	3745023.25	0.40921	382623.00	3745023.25	0.49292
382658.63	3745023.25	0.60617	382694.22	3745023.25	0.76196
382729.84	3745023.25	0.97778	382765.44	3745023.25	1.27458
382801.06	3745023.25	1.68851	382836.66	3745023.25	2.31765
382872.28	3745023.25	3.44020	382907.88	3745023.25	5.33065
382551.78	3745046.00	0.34723	382587.38	3745046.00	0.41131
382623.00	3745046.00	0.49563	382658.63	3745046.00	0.61008
382694.22	3745046.00	0.77023	382728.88	3745037.50	0.98612
382764.50	3745037.50	1.30261	382800.09	3745037.50	1.75140
382835.72	3745037.50	2.43198	382871.31	3745037.50	3.63422

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.17855	382587.38	3744750.75	0.19514
382623.00	3744750.75	0.21328	382658.63	3744750.75	0.23301
382694.22	3744750.75	0.25444	382729.84	3744750.75	0.27790
382765.44	3744750.75	0.30384	382801.06	3744750.75	0.33306
382836.66	3744750.75	0.36614	382872.28	3744750.75	0.40373
382907.88	3744750.75	0.44641	382943.50	3744750.75	0.49549
382979.09	3744750.75	0.55327	383014.72	3744750.75	0.62308
383050.31	3744750.75	0.70699	382551.78	3744773.50	0.18249
382587.38	3744773.50	0.20016	382623.00	3744773.50	0.21970
382658.63	3744773.50	0.24109	382694.22	3744773.50	0.26454
382729.84	3744773.50	0.29043	382765.44	3744773.50	0.31934
382801.06	3744773.50	0.35216	382836.66	3744773.50	0.38961
382872.28	3744773.50	0.43246	382907.88	3744773.50	0.48098
382943.50	3744773.50	0.53665	382979.09	3744773.50	0.60200
383014.72	3744773.50	0.68171	383050.31	3744773.50	0.77958
382551.78	3744796.25	0.18629	382587.38	3744796.25	0.20508
382623.00	3744796.25	0.22603	382658.63	3744796.25	0.24914
382694.22	3744796.25	0.27465	382729.84	3744796.25	0.30308
382765.44	3744796.25	0.33512	382801.06	3744796.25	0.37182
382836.66	3744796.25	0.41416	382872.28	3744796.25	0.46298
382907.88	3744796.25	0.51882	382943.50	3744796.25	0.58211
382979.09	3744796.25	0.65674	383014.72	3744796.25	0.74734
383050.31	3744796.25	0.86143	382551.78	3744819.00	0.18992
382587.38	3744819.00	0.20991	382623.00	3744819.00	0.23230
382658.63	3744819.00	0.25716	382694.22	3744819.00	0.28482
382729.84	3744819.00	0.31587	382765.44	3744819.00	0.35116
382801.06	3744819.00	0.39195	382836.66	3744819.00	0.43960
382872.28	3744819.00	0.49530	382907.88	3744819.00	0.55941
382943.50	3744819.00	0.63227	382979.09	3744819.00	0.71735
383014.72	3744819.00	0.82105	383050.31	3744819.00	0.95322
382551.78	3744841.75	0.19335	382587.38	3744841.75	0.21457
382623.00	3744841.75	0.23845	382658.63	3744841.75	0.26513
382694.22	3744841.75	0.29501	382729.84	3744841.75	0.32878
382765.44	3744841.75	0.36742	382801.06	3744841.75	0.41257
382836.66	3744841.75	0.46593	382872.28	3744841.75	0.52928
382907.88	3744841.75	0.60316	382943.50	3744841.75	0.68765
382979.09	3744841.75	0.78461	383014.72	3744841.75	0.90433
383050.31	3744841.75	1.05686	382551.78	3744864.50	0.19655
382587.38	3744864.50	0.21897	382623.00	3744864.50	0.24438
382658.63	3744864.50	0.27302	382694.22	3744864.50	0.30527

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*** *** 14:35:53
**MODELOPTs: PAGE 89
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.34190	382765.44	3744864.50	0.38405
382801.06	3744864.50	0.43360	382836.66	3744864.50	0.49300
382872.28	3744864.50	0.56461	382907.88	3744864.50	0.64974

382943.50 3744864.50 0.74871 382979.09 3744864.50 0.86181
383014.72 3744864.50 0.99936 383050.31 3744864.50 1.17581
382551.78 3744887.00 0.19943 382587.38 3744887.00 0.22302
382623.00 3744887.00 0.24999 382658.63 3744887.00 0.28067
382694.22 3744887.00 0.31546 382729.84 3744887.00 0.35512
382765.44 3744887.00 0.40095 382801.06 3744887.00 0.45517
382836.66 3744887.00 0.52059 382872.28 3744887.00 0.60093
382907.88 3744887.00 0.69830 382943.50 3744887.00 0.81376
382979.09 3744887.00 0.94729 383014.72 3744887.00 1.10588
383050.31 3744887.00 1.31209 382551.78 3744909.75 0.20203
382587.38 3744909.75 0.22676 382623.00 3744909.75 0.25531
382658.63 3744909.75 0.28811 382694.22 3744909.75 0.32564
382729.84 3744909.75 0.36871 382765.44 3744909.75 0.41861
382801.06 3744909.75 0.47786 382836.66 3744909.75 0.54988
382872.28 3744909.75 0.63945 382907.88 3744909.75 0.75042
382943.50 3744909.75 0.88475 382979.09 3744909.75 1.04360
383014.72 3744909.75 1.23208 382551.78 3744932.50 0.20432
382587.38 3744932.50 0.23008 382623.00 3744932.50 0.26019
382658.63 3744932.50 0.29516 382694.22 3744932.50 0.33559
382729.84 3744932.50 0.38238 382765.44 3744932.50 0.43677
382801.06 3744932.50 0.50155 382836.66 3744932.50 0.58080
382872.28 3744932.50 0.68034 382907.88 3744932.50 0.80602
382943.50 3744932.50 0.96208 382979.09 3744932.50 1.15055
383014.72 3744932.50 1.37637 382551.78 3744955.25 0.20629
382587.38 3744955.25 0.23298 382623.00 3744955.25 0.26454
382658.63 3744955.25 0.30168 382694.22 3744955.25 0.34511
382729.84 3744955.25 0.39588 382765.44 3744955.25 0.45539
382801.06 3744955.25 0.52642 382836.66 3744955.25 0.61364
382872.28 3744955.25 0.72419 382907.88 3744955.25 0.86602
382943.50 3744955.25 1.04641 382979.09 3744955.25 1.27099
383014.72 3744955.25 1.54774 382551.78 3744978.00 0.20792
382587.38 3744978.00 0.23541 382623.00 3744978.00 0.26826
382658.63 3744978.00 0.30745 382694.22 3744978.00 0.35392
382729.84 3744978.00 0.40897 382765.44 3744978.00 0.47415
382801.06 3744978.00 0.55220 382836.66 3744978.00 0.64857
382872.28 3744978.00 0.77138 382907.88 3744978.00 0.93119
382943.50 3744978.00 1.13915 382979.09 3744978.00 1.40616

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	1.74731	382551.78	3745000.75	0.20917
382587.38	3745000.75	0.23732	382623.00	3745000.75	0.27130
382658.63	3745000.75	0.31235	382694.22	3745000.75	0.36181
382729.84	3745000.75	0.42123	382765.44	3745000.75	0.49246
382801.06	3745000.75	0.57882	382836.66	3745000.75	0.68545
382872.28	3745000.75	0.82276	382907.88	3745000.75	1.00332
382943.50	3745000.75	1.24209	382551.78	3745023.25	0.21004
382587.38	3745023.25	0.23867	382623.00	3745023.25	0.27356
382658.63	3745023.25	0.31622	382694.22	3745023.25	0.36838
382729.84	3745023.25	0.43216	382765.44	3745023.25	0.50989
382801.06	3745023.25	0.60508	382836.66	3745023.25	0.72386
382872.28	3745023.25	0.87742	382907.88	3745023.25	1.08195
382551.78	3745046.00	0.21048	382587.38	3745046.00	0.23946
382623.00	3745046.00	0.27503	382658.63	3745046.00	0.31903
382694.22	3745046.00	0.37359	382728.88	3745037.50	0.43632
382764.50	3745037.50	0.51768	382800.09	3745037.50	0.61846
382835.72	3745037.50	0.74514	382871.31	3745037.50	0.90900

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.17133	382587.38	3744750.75	0.19302
382623.00	3744750.75	0.21902	382658.63	3744750.75	0.25012
382694.22	3744750.75	0.28717	382729.84	3744750.75	0.33115
382765.44	3744750.75	0.38271	382801.06	3744750.75	0.44224
382836.66	3744750.75	0.50829	382872.28	3744750.75	0.57732
382907.88	3744750.75	0.64395	382943.50	3744750.75	0.70751
382979.09	3744750.75	0.77973	383014.72	3744750.75	0.88093
383050.31	3744750.75	0.98028	382551.78	3744773.50	0.17399
382587.38	3744773.50	0.19627	382623.00	3744773.50	0.22325
382658.63	3744773.50	0.25574	382694.22	3744773.50	0.29501
382729.84	3744773.50	0.34247	382765.44	3744773.50	0.39973
382801.06	3744773.50	0.46840	382836.66	3744773.50	0.54868
382872.28	3744773.50	0.63953	382907.88	3744773.50	0.73553
382943.50	3744773.50	0.83316	382979.09	3744773.50	0.94118
383014.72	3744773.50	1.07682	383050.31	3744773.50	1.20481
382551.78	3744796.25	0.17669	382587.38	3744796.25	0.19956
382623.00	3744796.25	0.22744	382658.63	3744796.25	0.26129
382694.22	3744796.25	0.30259	382729.84	3744796.25	0.35339
382765.44	3744796.25	0.41598	382801.06	3744796.25	0.49339
382836.66	3744796.25	0.58814	382872.28	3744796.25	0.70231
382907.88	3744796.25	0.83507	382943.50	3744796.25	0.98122
382979.09	3744796.25	1.15124	383014.72	3744796.25	1.35376
383050.31	3744796.25	1.53431	382551.78	3744819.00	0.17931
382587.38	3744819.00	0.20284	382623.00	3744819.00	0.23157
382658.63	3744819.00	0.26670	382694.22	3744819.00	0.30995
382729.84	3744819.00	0.36386	382765.44	3744819.00	0.43145
382801.06	3744819.00	0.51707	382836.66	3744819.00	0.62592
382872.28	3744819.00	0.76421	382907.88	3744819.00	0.93805
382943.50	3744819.00	1.14877	382979.09	3744819.00	1.41305
383014.72	3744819.00	1.75398	383050.31	3744819.00	2.04522
382551.78	3744841.75	0.18173	382587.38	3744841.75	0.20592
382623.00	3744841.75	0.23547	382658.63	3744841.75	0.27176
382694.22	3744841.75	0.31681	382729.84	3744841.75	0.37360
382765.44	3744841.75	0.44580	382801.06	3744841.75	0.53918
382836.66	3744841.75	0.66157	382872.28	3744841.75	0.82432
382907.88	3744841.75	1.04162	382943.50	3744841.75	1.33190
382979.09	3744841.75	1.73061	383014.72	3744841.75	2.33562
383050.31	3744841.75	2.80171	382551.78	3744864.50	0.18387
382587.38	3744864.50	0.20862	382623.00	3744864.50	0.23888
382658.63	3744864.50	0.27624	382694.22	3744864.50	0.32292

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.38223	382765.44	3744864.50	0.45876
382801.06	3744864.50	0.55922	382836.66	3744864.50	0.69382
382872.28	3744864.50	0.87881	382907.88	3744864.50	1.14098
382943.50	3744864.50	1.52479	382979.09	3744864.50	2.09880
383014.72	3744864.50	2.98259	383050.31	3744864.50	2.20497
382551.78	3744887.00	0.18552	382587.38	3744887.00	0.21073
382623.00	3744887.00	0.24158	382658.63	3744887.00	0.27983
382694.22	3744887.00	0.32791	382729.84	3744887.00	0.38939
382765.44	3744887.00	0.46930	382801.06	3744887.00	0.57585
382836.66	3744887.00	0.72102	382872.28	3744887.00	0.92617
382907.88	3744887.00	1.22756	382943.50	3744887.00	1.69884
382979.09	3744887.00	2.47971	383014.72	3744887.00	3.46425
383050.31	3744887.00	2.14291	382551.78	3744909.75	0.18664
382587.38	3744909.75	0.21217	382623.00	3744909.75	0.24349
382658.63	3744909.75	0.28241	382694.22	3744909.75	0.33151
382729.84	3744909.75	0.39469	382765.44	3744909.75	0.47745
382801.06	3744909.75	0.58857	382836.66	3744909.75	0.74219
382872.28	3744909.75	0.96309	382907.88	3744909.75	1.29752
382943.50	3744909.75	1.83953	382979.09	3744909.75	2.81741
383014.72	3744909.75	3.37938	382551.78	3744932.50	0.18712
382587.38	3744932.50	0.21285	382623.00	3744932.50	0.24443
382658.63	3744932.50	0.28376	382694.22	3744932.50	0.33352
382729.84	3744932.50	0.39775	382765.44	3744932.50	0.48235
382801.06	3744932.50	0.59682	382836.66	3744932.50	0.75630
382872.28	3744932.50	0.98832	382907.88	3744932.50	1.34307
382943.50	3744932.50	1.93030	382979.09	3744932.50	3.00800
383014.72	3744932.50	3.81835	382551.78	3744955.25	0.18695
382587.38	3744955.25	0.21273	382623.00	3744955.25	0.24438
382658.63	3744955.25	0.28382	382694.22	3744955.25	0.33376
382729.84	3744955.25	0.39836	382765.44	3744955.25	0.48370
382801.06	3744955.25	0.59977	382836.66	3744955.25	0.76230
382872.28	3744955.25	1.00013	382907.88	3744955.25	1.36868
382943.50	3744955.25	1.98430	382979.09	3744955.25	3.12670
383014.72	3744955.25	4.57601	382551.78	3744978.00	0.18609
382587.38	3744978.00	0.21176	382623.00	3744978.00	0.24328
382658.63	3744978.00	0.28252	382694.22	3744978.00	0.33219
382729.84	3744978.00	0.39650	382765.44	3744978.00	0.48158
382801.06	3744978.00	0.59747	382836.66	3744978.00	0.76043
382872.28	3744978.00	0.99917	382907.88	3744978.00	1.36836
382943.50	3744978.00	1.99030	382979.09	3744978.00	3.16160

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	4.89130	382551.78	3745000.75	0.18457
382587.38	3745000.75	0.20998	382623.00	3745000.75	0.24113
382658.63	3745000.75	0.27987	382694.22	3745000.75	0.32886
382729.84	3745000.75	0.39220	382765.44	3745000.75	0.47584
382801.06	3745000.75	0.58982	382836.66	3745000.75	0.74992
382872.28	3745000.75	0.98552	382907.88	3745000.75	1.34988
382943.50	3745000.75	1.96071	382551.78	3745023.25	0.18241
382587.38	3745023.25	0.20738	382623.00	3745023.25	0.23795
382658.63	3745023.25	0.27590	382694.22	3745023.25	0.32377
382729.84	3745023.25	0.38557	382765.44	3745023.25	0.46699
382801.06	3745023.25	0.57772	382836.66	3745023.25	0.73330
382872.28	3745023.25	0.96140	382907.88	3745023.25	1.31608
382551.78	3745046.00	0.17961	382587.38	3745046.00	0.20398
382623.00	3745046.00	0.23375	382658.63	3745046.00	0.27063
382694.22	3745046.00	0.31703	382728.88	3745037.50	0.37838
382764.50	3745037.50	0.45751	382800.09	3745037.50	0.56478
382835.72	3745037.50	0.71513	382871.31	3745037.50	0.93447

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	1.20380	382587.38	3744750.75	1.33247
382623.00	3744750.75	1.47987	382658.63	3744750.75	1.64855
382694.22	3744750.75	1.84134	382729.84	3744750.75	2.06232
382765.44	3744750.75	2.31510	382801.06	3744750.75	2.60368
382836.66	3744750.75	2.92575	382872.28	3744750.75	3.27307
382907.88	3744750.75	3.63171	382943.50	3744750.75	4.00445
382979.09	3744750.75	4.43463	383014.72	3744750.75	4.99486
383050.31	3744750.75	5.60309	382551.78	3744773.50	1.22689

382587.38	3744773.50	1.36149	382623.00	3744773.50	1.51720
382658.63	3744773.50	1.69636	382694.22	3744773.50	1.90348
382729.84	3744773.50	2.14415	382765.44	3744773.50	2.42521
382801.06	3744773.50	2.75465	382836.66	3744773.50	3.13547
382872.28	3744773.50	3.56721	382907.88	3744773.50	4.03436
382943.50	3744773.50	4.53159	382979.09	3744773.50	5.09348
383014.72	3744773.50	5.78888	383050.31	3744773.50	6.53051
382551.78	3744796.25	1.24958	382587.38	3744796.25	1.39025
382623.00	3744796.25	1.55406	382658.63	3744796.25	1.74388
382694.22	3744796.25	1.96492	382729.84	3744796.25	2.22518
382765.44	3744796.25	2.53405	382801.06	3744796.25	2.90420
382836.66	3744796.25	3.34649	382872.28	3744796.25	3.86959
382907.88	3744796.25	4.47234	382943.50	3744796.25	5.14014
382979.09	3744796.25	5.91572	383014.72	3744796.25	6.84131
383050.31	3744796.25	7.79123	382551.78	3744819.00	1.27138
382587.38	3744819.00	1.41860	382623.00	3744819.00	1.59045
382658.63	3744819.00	1.79079	382694.22	3744819.00	2.02586
382729.84	3744819.00	2.30544	382765.44	3744819.00	2.64150
382801.06	3744819.00	3.05162	382836.66	3744819.00	3.55581
382872.28	3744819.00	4.17616	382907.88	3744819.00	4.93061
382943.50	3744819.00	5.82295	382979.09	3744819.00	6.90955
383014.72	3744819.00	8.27464	383050.31	3744819.00	9.59928
382551.78	3744841.75	1.29181	382587.38	3744841.75	1.44567
382623.00	3744841.75	1.62571	382658.63	3744841.75	1.83647
382694.22	3744841.75	2.08541	382729.84	3744841.75	2.38392
382765.44	3744841.75	2.74647	382801.06	3744841.75	3.19619
382836.66	3744841.75	3.76213	382872.28	3744841.75	4.48352
382907.88	3744841.75	5.40234	382943.50	3744841.75	6.56969
382979.09	3744841.75	8.09005	383014.72	3744841.75	10.25453
383050.31	3744841.75	12.12587	382551.78	3744864.50	1.31047
382587.38	3744864.50	1.47065	382623.00	3744864.50	1.65869
382658.63	3744864.50	1.88011	382694.22	3744864.50	2.14296

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 95
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	2.45989	382765.44	3744864.50	2.84871
382801.06	3744864.50	3.33614	382836.66	3744864.50	3.96111
382872.28	3744864.50	4.77935	382907.88	3744864.50	5.87203
382943.50	3744864.50	7.36502	382979.09	3744864.50	9.44774
383014.72	3744864.50	12.45484	383050.31	3744864.50	10.86055
382551.78	3744887.00	1.32650	382587.38	3744887.00	1.49254
382623.00	3744887.00	1.68823	382658.63	3744887.00	1.92015
382694.22	3744887.00	2.19685	382729.84	3744887.00	2.53184
382765.44	3744887.00	2.94473	382801.06	3744887.00	3.46793
382836.66	3744887.00	4.14704	382872.28	3744887.00	5.05777
382907.88	3744887.00	6.31167	382943.50	3744887.00	8.12029
382979.09	3744887.00	10.86915	383014.72	3744887.00	14.22456
383050.31	3744887.00	11.21430	382551.78	3744909.75	1.33981
382587.38	3744909.75	1.51115	382623.00	3744909.75	1.71433
382658.63	3744909.75	1.95635	382694.22	3744909.75	2.24657
382729.84	3744909.75	2.59959	382765.44	3744909.75	3.03646
382801.06	3744909.75	3.59237	382836.66	3744909.75	4.32152
382872.28	3744909.75	5.31364	382907.88	3744909.75	6.71586
382943.50	3744909.75	8.80140	382979.09	3744909.75	12.20854
383014.72	3744909.75	14.46197	382551.78	3744932.50	1.35004
382587.38	3744932.50	1.52594	382623.00	3744932.50	1.73587
382658.63	3744932.50	1.98738	382694.22	3744932.50	2.29063
382729.84	3744932.50	2.66100	382765.44	3744932.50	3.12038
382801.06	3744932.50	3.70727	382836.66	3744932.50	4.48115
382872.28	3744932.50	5.54385	382907.88	3744932.50	7.06133
382943.50	3744932.50	9.36088	382979.09	3744932.50	13.16768
383014.72	3744932.50	16.25841	382551.78	3744955.25	1.35710
382587.38	3744955.25	1.53668	382623.00	3744955.25	1.75237
382658.63	3744955.25	2.01247	382694.22	3744955.25	2.32773
382729.84	3744955.25	2.71435	382765.44	3744955.25	3.19542
382801.06	3744955.25	3.81080	382836.66	3744955.25	4.62396
382872.28	3744955.25	5.74545	382907.88	3744955.25	7.36474
382943.50	3744955.25	9.83955	382979.09	3744955.25	13.97203
383014.72	3744955.25	19.07604	382551.78	3744978.00	1.36073
382587.38	3744978.00	1.54307	382623.00	3744978.00	1.76330
382658.63	3744978.00	2.03066	382694.22	3744978.00	2.35669
382729.84	3744978.00	2.75874	382765.44	3744978.00	3.26061
382801.06	3744978.00	3.90213	382836.66	3744978.00	4.75120
382872.28	3744978.00	5.92184	382907.88	3744978.00	7.61108
382943.50	3744978.00	10.20954	382979.09	3744978.00	14.59057

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	20.76917	382551.78	3745000.75	1.36097
382587.38	3745000.75	1.54502	382623.00	3745000.75	1.76844
382658.63	3745000.75	2.04142	382694.22	3745000.75	2.37684
382729.84	3745000.75	2.79263	382765.44	3745000.75	3.31322
382801.06	3745000.75	3.98057	382836.66	3745000.75	4.86007
382872.28	3745000.75	6.07630	382907.88	3745000.75	7.82998
382943.50	3745000.75	10.51332	382551.78	3745023.25	1.35783
382587.38	3745023.25	1.54240	382623.00	3745023.25	1.76756
382658.63	3745023.25	2.04430	382694.22	3745023.25	2.38665
382729.84	3745023.25	2.81445	382765.44	3745023.25	3.35316
382801.06	3745023.25	4.04431	382836.66	3745023.25	4.95637
382872.28	3745023.25	6.21185	382907.88	3745023.25	8.02770
382551.78	3745046.00	1.35105	382587.38	3745046.00	1.53522
382623.00	3745046.00	1.76055	382658.63	3745046.00	2.03920
382694.22	3745046.00	2.38632	382728.88	3745037.50	2.80877
382764.50	3745037.50	3.35445	382800.09	3745037.50	4.05661
382835.72	3745037.50	4.98307	382871.31	3745037.50	6.25156

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.18209	382587.38	3744750.75	0.19912
382623.00	3744750.75	0.21779	382658.63	3744750.75	0.23816
382694.22	3744750.75	0.26036	382729.84	3744750.75	0.28472
382765.44	3744750.75	0.31172	382801.06	3744750.75	0.34215
382836.66	3744750.75	0.37658	382872.28	3744750.75	0.41558
382907.88	3744750.75	0.45963	382943.50	3744750.75	0.50999
382979.09	3744750.75	0.56924	383014.72	3744750.75	0.64110
383050.31	3744750.75	0.72703	382551.78	3744773.50	0.18608
382587.38	3744773.50	0.20421	382623.00	3744773.50	0.22431
382658.63	3744773.50	0.24637	382694.22	3744773.50	0.27062
382729.84	3744773.50	0.29749	382765.44	3744773.50	0.32757
382801.06	3744773.50	0.36180	382836.66	3744773.50	0.40088
382872.28	3744773.50	0.44559	382907.88	3744773.50	0.49607
382943.50	3744773.50	0.55372	382979.09	3744773.50	0.62125
383014.72	3744773.50	0.70370	383050.31	3744773.50	0.80415
382551.78	3744796.25	0.18994	382587.38	3744796.25	0.20920
382623.00	3744796.25	0.23072	382658.63	3744796.25	0.25453
382694.22	3744796.25	0.28089	382729.84	3744796.25	0.31035
382765.44	3744796.25	0.34368	382801.06	3744796.25	0.38196
382836.66	3744796.25	0.42625	382872.28	3744796.25	0.47739
382907.88	3744796.25	0.53593	382943.50	3744796.25	0.60219
382979.09	3744796.25	0.68025	383014.72	3744796.25	0.77492
383050.31	3744796.25	0.89264	382551.78	3744819.00	0.19362
382587.38	3744819.00	0.21410	382623.00	3744819.00	0.23707
382658.63	3744819.00	0.26266	382694.22	3744819.00	0.29120
382729.84	3744819.00	0.32337	382765.44	3744819.00	0.36004
382801.06	3744819.00	0.40259	382836.66	3744819.00	0.45246
382872.28	3744819.00	0.51098	382907.88	3744819.00	0.57862
382943.50	3744819.00	0.65576	382979.09	3744819.00	0.74617
383014.72	3744819.00	0.85669	383050.31	3744819.00	0.99466
382551.78	3744841.75	0.19710	382587.38	3744841.75	0.21881
382623.00	3744841.75	0.24330	382658.63	3744841.75	0.27073
382694.22	3744841.75	0.30154	382729.84	3744841.75	0.33647
382765.44	3744841.75	0.37659	382801.06	3744841.75	0.42366
382836.66	3744841.75	0.47952	382872.28	3744841.75	0.54619
382907.88	3744841.75	0.62449	382943.50	3744841.75	0.71486
382979.09	3744841.75	0.81986	383014.72	3744841.75	0.95163
383050.31	3744841.75	1.11335	382551.78	3744864.50	0.20034
382587.38	3744864.50	0.22327	382623.00	3744864.50	0.24931
382658.63	3744864.50	0.27872	382694.22	3744864.50	0.31192

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.34977	382765.44	3744864.50	0.39349
382801.06	3744864.50	0.44510	382836.66	3744864.50	0.50725
382872.28	3744864.50	0.58263	382907.88	3744864.50	0.67309
382943.50	3744864.50	0.77984	382979.09	3744864.50	0.90449
383014.72	3744864.50	1.05958	383050.31	3744864.50	1.22031
382551.78	3744887.00	0.20326	382587.38	3744887.00	0.22737
382623.00	3744887.00	0.25497	382658.63	3744887.00	0.28644
382694.22	3744887.00	0.32221	382729.84	3744887.00	0.36314
382765.44	3744887.00	0.41061	382801.06	3744887.00	0.46700
382836.66	3744887.00	0.53540	382872.28	3744887.00	0.61992
382907.88	3744887.00	0.72342	382943.50	3744887.00	0.84842
382979.09	3744887.00	0.99764	383014.72	3744887.00	1.17571
383050.31	3744887.00	1.35542	382551.78	3744909.75	0.20588
382587.38	3744909.75	0.23113	382623.00	3744909.75	0.26033
382658.63	3744909.75	0.29393	382694.22	3744909.75	0.33247
382729.84	3744909.75	0.37683	382765.44	3744909.75	0.42843
382801.06	3744909.75	0.48995	382836.66	3744909.75	0.56512
382872.28	3744909.75	0.65919	382907.88	3744909.75	0.77696
382943.50	3744909.75	0.92227	382979.09	3744909.75	1.10076
383014.72	3744909.75	1.30023	382551.78	3744932.50	0.20818
382587.38	3744932.50	0.23447	382623.00	3744932.50	0.26523
382658.63	3744932.50	0.30101	382694.22	3744932.50	0.34246
382729.84	3744932.50	0.39057	382765.44	3744932.50	0.44669
382801.06	3744932.50	0.51382	382836.66	3744932.50	0.59633
382872.28	3744932.50	0.70061	382907.88	3744932.50	0.83349
382943.50	3744932.50	1.00144	382979.09	3744932.50	1.21156
383014.72	3744932.50	1.45331	382551.78	3744955.25	0.21015
382587.38	3744955.25	0.23737	382623.00	3744955.25	0.26958
382658.63	3744955.25	0.30753	382694.22	3744955.25	0.35198
382729.84	3744955.25	0.40408	382765.44	3744955.25	0.46534
382801.06	3744955.25	0.53875	382836.66	3744955.25	0.62930
382872.28	3744955.25	0.74470	382907.88	3744955.25	0.89403
382943.50	3744955.25	1.08688	382979.09	3744955.25	1.33443
383014.72	3744955.25	1.63990	382551.78	3744978.00	0.21175
382587.38	3744978.00	0.23977	382623.00	3744978.00	0.27328
382658.63	3744978.00	0.31328	382694.22	3744978.00	0.36077
382729.84	3744978.00	0.41713	382765.44	3744978.00	0.48405
382801.06	3744978.00	0.56448	382836.66	3744978.00	0.66418
382872.28	3744978.00	0.79187	382907.88	3744978.00	0.95918
382943.50	3744978.00	1.17975	382979.09	3744978.00	1.47033

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	1.84596	382551.78	3745000.75	0.21298
382587.38	3745000.75	0.24165	382623.00	3745000.75	0.27627
382658.63	3745000.75	0.31811	382694.22	3745000.75	0.36858
382729.84	3745000.75	0.42931	382765.44	3745000.75	0.50225
382801.06	3745000.75	0.59094	382836.66	3745000.75	0.70085
382872.28	3745000.75	0.84297	382907.88	3745000.75	1.03095
382943.50	3745000.75	1.28210	382551.78	3745023.25	0.21381
382587.38	3745023.25	0.24295	382623.00	3745023.25	0.27847
382658.63	3745023.25	0.32191	382694.22	3745023.25	0.37505
382729.84	3745023.25	0.44010	382765.44	3745023.25	0.51950
382801.06	3745023.25	0.61696	382836.66	3745023.25	0.73892
382872.28	3745023.25	0.89713	382907.88	3745023.25	1.10889
382551.78	3745046.00	0.21418	382587.38	3745046.00	0.24367
382623.00	3745046.00	0.27985	382658.63	3745046.00	0.32461
382694.22	3745046.00	0.38012	382728.88	3745037.50	0.44411
382764.50	3745037.50	0.52710	382800.09	3745037.50	0.63008
382835.72	3745037.50	0.75982	382871.31	3745037.50	0.92817

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.04485	382587.38	3744750.75	0.04848
382623.00	3744750.75	0.05228	382658.63	3744750.75	0.05630
382694.22	3744750.75	0.06075	382729.84	3744750.75	0.06613
382765.44	3744750.75	0.07306	382801.06	3744750.75	0.08187
382836.66	3744750.75	0.09198	382872.28	3744750.75	0.10220
382907.88	3744750.75	0.11133	382943.50	3744750.75	0.11908
382979.09	3744750.75	0.12662	383014.72	3744750.75	0.13558
383050.31	3744750.75	0.14845	382551.78	3744773.50	0.04676
382587.38	3744773.50	0.05092	382623.00	3744773.50	0.05539
382658.63	3744773.50	0.06002	382694.22	3744773.50	0.06505
382729.84	3744773.50	0.07097	382765.44	3744773.50	0.07856
382801.06	3744773.50	0.08830	382836.66	3744773.50	0.09962
382872.28	3744773.50	0.11116	382907.88	3744773.50	0.12135
382943.50	3744773.50	0.12988	382979.09	3744773.50	0.13829
383014.72	3744773.50	0.14860	383050.31	3744773.50	0.16302
382551.78	3744796.25	0.04863	382587.38	3744796.25	0.05340
382623.00	3744796.25	0.05862	382658.63	3744796.25	0.06405
382694.22	3744796.25	0.06981	382729.84	3744796.25	0.07647
382765.44	3744796.25	0.08486	382801.06	3744796.25	0.09569
382836.66	3744796.25	0.10853	382872.28	3744796.25	0.12167
382907.88	3744796.25	0.13334	382943.50	3744796.25	0.14260
382979.09	3744796.25	0.15212	383014.72	3744796.25	0.16390
383050.31	3744796.25	0.18074	382551.78	3744819.00	0.05043
382587.38	3744819.00	0.05592	382623.00	3744819.00	0.06198
382658.63	3744819.00	0.06839	382694.22	3744819.00	0.07513
382729.84	3744819.00	0.08278	382765.44	3744819.00	0.09216
382801.06	3744819.00	0.10431	382836.66	3744819.00	0.11894
382872.28	3744819.00	0.13411	382907.88	3744819.00	0.14761
382943.50	3744819.00	0.15778	382979.09	3744819.00	0.16825
383014.72	3744819.00	0.18230	383050.31	3744819.00	0.20013
382551.78	3744841.75	0.05213	382587.38	3744841.75	0.05841
382623.00	3744841.75	0.06545	382658.63	3744841.75	0.07298
382694.22	3744841.75	0.08100	382729.84	3744841.75	0.08991
382765.44	3744841.75	0.10067	382801.06	3744841.75	0.11447
382836.66	3744841.75	0.13148	382872.28	3744841.75	0.14929
382907.88	3744841.75	0.16496	382943.50	3744841.75	0.17692
382979.09	3744841.75	0.18727	383014.72	3744841.75	0.20396
383050.31	3744841.75	0.21726	382551.78	3744864.50	0.05375
382587.38	3744864.50	0.06082	382623.00	3744864.50	0.06890
382658.63	3744864.50	0.07777	382694.22	3744864.50	0.08736

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.09801	382765.44	3744864.50	0.11060
382801.06	3744864.50	0.12673	382836.66	3744864.50	0.14655
382872.28	3744864.50	0.16779	382907.88	3744864.50	0.18687
382943.50	3744864.50	0.20144	382979.09	3744864.50	0.21287
383014.72	3744864.50	0.22745	383050.31	3744864.50	0.22686
382551.78	3744887.00	0.05530	382587.38	3744887.00	0.06314
382623.00	3744887.00	0.07232	382658.63	3744887.00	0.08279
382694.22	3744887.00	0.09443	382729.84	3744887.00	0.10743
382765.44	3744887.00	0.12257	382801.06	3744887.00	0.14164
382836.66	3744887.00	0.16545	382872.28	3744887.00	0.19138
382907.88	3744887.00	0.21468	382943.50	3744887.00	0.23210
382979.09	3744887.00	0.24040	383014.72	3744887.00	0.24951
383050.31	3744887.00	0.18327	382551.78	3744909.75	0.05680
382587.38	3744909.75	0.06531	382623.00	3744909.75	0.07558
382658.63	3744909.75	0.08781	382694.22	3744909.75	0.10199
382729.84	3744909.75	0.11808	382765.44	3744909.75	0.13687
382801.06	3744909.75	0.16039	382836.66	3744909.75	0.18953
382872.28	3744909.75	0.22138	382907.88	3744909.75	0.24810
382943.50	3744909.75	0.26216	382979.09	3744909.75	0.25624
383014.72	3744909.75	0.19744	382551.78	3744932.50	0.05814
382587.38	3744932.50	0.06723	382623.00	3744932.50	0.07850
382658.63	3744932.50	0.09240	382694.22	3744932.50	0.10928
382729.84	3744932.50	0.12930	382765.44	3744932.50	0.15286
382801.06	3744932.50	0.18222	382836.66	3744932.50	0.21778
382872.28	3744932.50	0.25597	382907.88	3744932.50	0.27462
382943.50	3744932.50	0.22590	382979.09	3744932.50	0.21031
383014.72	3744932.50	0.17591	382551.78	3744955.25	0.05941
382587.38	3744955.25	0.06905	382623.00	3744955.25	0.08122
382658.63	3744955.25	0.09676	382694.22	3744955.25	0.11647
382729.84	3744955.25	0.14113	382765.44	3744955.25	0.17131
382801.06	3744955.25	0.20865	382836.66	3744955.25	0.25301
382872.28	3744955.25	0.29374	382907.88	3744955.25	0.24293
382943.50	3744955.25	0.24892	382979.09	3744955.25	0.17447
383014.72	3744955.25	0.16462	382551.78	3744978.00	0.06061
382587.38	3744978.00	0.07073	382623.00	3744978.00	0.08369
382658.63	3744978.00	0.10073	382694.22	3744978.00	0.12333
382729.84	3744978.00	0.15305	382765.44	3744978.00	0.19173
382801.06	3744978.00	0.23872	382836.66	3744978.00	0.29012
382872.28	3744978.00	0.31218	382907.88	3744978.00	0.25995
382943.50	3744978.00	0.26112	382979.09	3744978.00	0.18751

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	0.17813	382551.78	3745000.75	0.06174
382587.38	3745000.75	0.07240	382623.00	3745000.75	0.08612
382658.63	3745000.75	0.10428	382694.22	3745000.75	0.12945
382729.84	3745000.75	0.16483	382765.44	3745000.75	0.21275
382801.06	3745000.75	0.27025	382836.66	3745000.75	0.30728
382872.28	3745000.75	0.30273	382907.88	3745000.75	0.26627
382943.50	3745000.75	0.25501	382551.78	3745023.25	0.06265
382587.38	3745023.25	0.07381	382623.00	3745023.25	0.08829
382658.63	3745023.25	0.10776	382694.22	3745023.25	0.13495
382729.84	3745023.25	0.17513	382765.44	3745023.25	0.23405
382801.06	3745023.25	0.30774	382836.66	3745023.25	0.32580
382872.28	3745023.25	0.36706	382907.88	3745023.25	0.33151
382551.78	3745046.00	0.06331	382587.38	3745046.00	0.07492
382623.00	3745046.00	0.09007	382658.63	3745046.00	0.11063
382694.22	3745046.00	0.14006	382728.88	3745037.50	0.17964
382764.50	3745037.50	0.24526	382800.09	3745037.50	0.32744
382835.72	3745037.50	0.37174	382871.31	3745037.50	0.43191

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.07255	382587.38	3744750.75	0.08021
382623.00	3744750.75	0.08812	382658.63	3744750.75	0.09582
382694.22	3744750.75	0.10288	382729.84	3744750.75	0.10922
382765.44	3744750.75	0.11550	382801.06	3744750.75	0.12297
382836.66	3744750.75	0.13302	382872.28	3744750.75	0.14642
382907.88	3744750.75	0.16155	382943.50	3744750.75	0.17335
382979.09	3744750.75	0.17571	383014.72	3744750.75	0.16585
383050.31	3744750.75	0.14543	382551.78	3744773.50	0.07512
382587.38	3744773.50	0.08378	382623.00	3744773.50	0.09312
382658.63	3744773.50	0.10257	382694.22	3744773.50	0.11168
382729.84	3744773.50	0.12017	382765.44	3744773.50	0.12849
382801.06	3744773.50	0.13795	382836.66	3744773.50	0.14995
382872.28	3744773.50	0.16564	382907.88	3744773.50	0.18330
382943.50	3744773.50	0.19725	382979.09	3744773.50	0.20016
383014.72	3744773.50	0.18816	383050.31	3744773.50	0.16381
382551.78	3744796.25	0.07757	382587.38	3744796.25	0.08725
382623.00	3744796.25	0.09802	382658.63	3744796.25	0.10937
382694.22	3744796.25	0.12080	382729.84	3744796.25	0.13195
382765.44	3744796.25	0.14303	382801.06	3744796.25	0.15521
382836.66	3744796.25	0.17003	382872.28	3744796.25	0.18890
382907.88	3744796.25	0.21039	382943.50	3744796.25	0.22711
382979.09	3744796.25	0.23075	383014.72	3744796.25	0.21607
383050.31	3744796.25	0.18656	382551.78	3744819.00	0.07993
382587.38	3744819.00	0.09067	382623.00	3744819.00	0.10286
382658.63	3744819.00	0.11617	382694.22	3744819.00	0.13019
382729.84	3744819.00	0.14454	382765.44	3744819.00	0.15914
382801.06	3744819.00	0.17498	382836.66	3744819.00	0.19383
382872.28	3744819.00	0.21715	382907.88	3744819.00	0.24392
382943.50	3744819.00	0.26491	382979.09	3744819.00	0.26953
383014.72	3744819.00	0.25174	383050.31	3744819.00	0.21546
382551.78	3744841.75	0.08218	382587.38	3744841.75	0.09402
382623.00	3744841.75	0.10764	382658.63	3744841.75	0.12295
382694.22	3744841.75	0.13974	382729.84	3744841.75	0.15770
382765.44	3744841.75	0.17667	382801.06	3744841.75	0.19763
382836.66	3744841.75	0.22210	382872.28	3744841.75	0.25189
382907.88	3744841.75	0.28601	382943.50	3744841.75	0.31423
382979.09	3744841.75	0.31954	383014.72	3744841.75	0.29839

383050.31	3744841.75	0.25322	382551.78	3744864.50	0.08432
382587.38	3744864.50	0.09724	382623.00	3744864.50	0.11232
382658.63	3744864.50	0.12969	382694.22	3744864.50	0.14940

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.17137	382765.44	3744864.50	0.19564
382801.06	3744864.50	0.22305	382836.66	3744864.50	0.25552
382872.28	3744864.50	0.29457	382907.88	3744864.50	0.33952
382943.50	3744864.50	0.37947	382979.09	3744864.50	0.38898
383014.72	3744864.50	0.36158	383050.31	3744864.50	0.30454
382551.78	3744887.00	0.08628	382587.38	3744887.00	0.10021
382623.00	3744887.00	0.11679	382658.63	3744887.00	0.13630
382694.22	3744887.00	0.15903	382729.84	3744887.00	0.18529
382765.44	3744887.00	0.21545	382801.06	3744887.00	0.25096
382836.66	3744887.00	0.29397	382872.28	3744887.00	0.34634
382907.88	3744887.00	0.40737	382943.50	3744887.00	0.46462
382979.09	3744887.00	0.48390	383014.72	3744887.00	0.44894
383050.31	3744887.00	0.37670	382551.78	3744909.75	0.08804
382587.38	3744909.75	0.10293	382623.00	3744909.75	0.12104
382658.63	3744909.75	0.14281	382694.22	3744909.75	0.16877
382729.84	3744909.75	0.19968	382765.44	3744909.75	0.23648
382801.06	3744909.75	0.28153	382836.66	3744909.75	0.33873
382872.28	3744909.75	0.41093	382907.88	3744909.75	0.49614
382943.50	3744909.75	0.58102	382979.09	3744909.75	0.61846
383014.72	3744909.75	0.58102	382551.78	3744932.50	0.08960
382587.38	3744932.50	0.10531	382623.00	3744932.50	0.12488
382658.63	3744932.50	0.14898	382694.22	3744932.50	0.17840
382729.84	3744932.50	0.21427	382765.44	3744932.50	0.25835
382801.06	3744932.50	0.31437	382836.66	3744932.50	0.38915
382872.28	3744932.50	0.48947	382907.88	3744932.50	0.61345
382943.50	3744932.50	0.74297	382979.09	3744932.50	0.80401
383014.72	3744932.50	0.75613	382551.78	3744955.25	0.09095
382587.38	3744955.25	0.10730	382623.00	3744955.25	0.12813
382658.63	3744955.25	0.15452	382694.22	3744955.25	0.18757
382729.84	3744955.25	0.22887	382765.44	3744955.25	0.28094
382801.06	3744955.25	0.34912	382836.66	3744955.25	0.44490
382872.28	3744955.25	0.58330	382907.88	3744955.25	0.76937
382943.50	3744955.25	0.96227	382979.09	3744955.25	1.01296
383014.72	3744955.25	0.75302	382551.78	3744978.00	0.09213
382587.38	3744978.00	0.10890	382623.00	3744978.00	0.13070
382658.63	3744978.00	0.15909	382694.22	3744978.00	0.19578
382729.84	3744978.00	0.24289	382765.44	3744978.00	0.30364
382801.06	3744978.00	0.38530	382836.66	3744978.00	0.50435
382872.28	3744978.00	0.69148	382907.88	3744978.00	0.97178
382943.50	3744978.00	1.23741	382979.09	3744978.00	1.05851

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	0.57259	382551.78	3745000.75	0.09312
382587.38	3745000.75	0.11016	382623.00	3745000.75	0.13255
382658.63	3745000.75	0.16241	382694.22	3745000.75	0.20232
382729.84	3745000.75	0.25542	382765.44	3745000.75	0.32576
382801.06	3745000.75	0.42184	382836.66	3745000.75	0.56565
382872.28	3745000.75	0.80924	382907.88	3745000.75	1.20722
382943.50	3745000.75	0.96974	382551.78	3745023.25	0.09387
382587.38	3745023.25	0.11109	382623.00	3745023.25	0.13379
382658.63	3745023.25	0.16448	382694.22	3745023.25	0.20667
382729.84	3745023.25	0.26509	382765.44	3745023.25	0.34537
382801.06	3745023.25	0.45720	382836.66	3745023.25	0.62690
382872.28	3745023.25	0.92904	382907.88	3745023.25	1.43602
382551.78	3745046.00	0.09429	382587.38	3745046.00	0.11166
382623.00	3745046.00	0.13452	382658.63	3745046.00	0.16554
382694.22	3745046.00	0.20891	382728.88	3745037.50	0.26735
382764.50	3745037.50	0.35294	382800.09	3745037.50	0.47418
382835.72	3745037.50	0.65774	382871.31	3745037.50	0.98124

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.05024	382587.38	3744750.75	0.05490
382623.00	3744750.75	0.06000	382658.63	3744750.75	0.06554
382694.22	3744750.75	0.07157	382729.84	3744750.75	0.07816
382765.44	3744750.75	0.08544	382801.06	3744750.75	0.09365
382836.66	3744750.75	0.10293	382872.28	3744750.75	0.11348
382907.88	3744750.75	0.12546	382943.50	3744750.75	0.13923
382979.09	3744750.75	0.15543	383014.72	3744750.75	0.17500
383050.31	3744750.75	0.19850	382551.78	3744773.50	0.05135
382587.38	3744773.50	0.05631	382623.00	3744773.50	0.06181
382658.63	3744773.50	0.06782	382694.22	3744773.50	0.07440
382729.84	3744773.50	0.08168	382765.44	3744773.50	0.08980
382801.06	3744773.50	0.09901	382836.66	3744773.50	0.10952
382872.28	3744773.50	0.12155	382907.88	3744773.50	0.13516
382943.50	3744773.50	0.15078	382979.09	3744773.50	0.16910
383014.72	3744773.50	0.19144	383050.31	3744773.50	0.21884
382551.78	3744796.25	0.05242	382587.38	3744796.25	0.05770
382623.00	3744796.25	0.06358	382658.63	3744796.25	0.07008
382694.22	3744796.25	0.07725	382729.84	3744796.25	0.08523
382765.44	3744796.25	0.09423	382801.06	3744796.25	0.10453
382836.66	3744796.25	0.11642	382872.28	3744796.25	0.13012
382907.88	3744796.25	0.14578	382943.50	3744796.25	0.16353
382979.09	3744796.25	0.18445	383014.72	3744796.25	0.20983
383050.31	3744796.25	0.24177	382551.78	3744819.00	0.05344
382587.38	3744819.00	0.05905	382623.00	3744819.00	0.06534
382658.63	3744819.00	0.07233	382694.22	3744819.00	0.08010
382729.84	3744819.00	0.08882	382765.44	3744819.00	0.09873
382801.06	3744819.00	0.11018	382836.66	3744819.00	0.12356
382872.28	3744819.00	0.13919	382907.88	3744819.00	0.15717
382943.50	3744819.00	0.17760	382979.09	3744819.00	0.20144
383014.72	3744819.00	0.23048	383050.31	3744819.00	0.26747
382551.78	3744841.75	0.05440	382587.38	3744841.75	0.06036
382623.00	3744841.75	0.06707	382658.63	3744841.75	0.07457
382694.22	3744841.75	0.08296	382729.84	3744841.75	0.09245
382765.44	3744841.75	0.10330	382801.06	3744841.75	0.11597
382836.66	3744841.75	0.13095	382872.28	3744841.75	0.14872
382907.88	3744841.75	0.16944	382943.50	3744841.75	0.19313
382979.09	3744841.75	0.22030	383014.72	3744841.75	0.25381
383050.31	3744841.75	0.29648	382551.78	3744864.50	0.05530
382587.38	3744864.50	0.06160	382623.00	3744864.50	0.06874
382658.63	3744864.50	0.07679	382694.22	3744864.50	0.08585

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**MODELOPTs: PAGE 107
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.09613	382765.44	3744864.50	0.10797
382801.06	3744864.50	0.12188	382836.66	3744864.50	0.13854
382872.28	3744864.50	0.15863	382907.88	3744864.50	0.18250
382943.50	3744864.50	0.21024	382979.09	3744864.50	0.24192
383014.72	3744864.50	0.28042	383050.31	3744864.50	0.32976
382551.78	3744887.00	0.05611	382587.38	3744887.00	0.06274
382623.00	3744887.00	0.07032	382658.63	3744887.00	0.07894
382694.22	3744887.00	0.08871	382729.84	3744887.00	0.09985
382765.44	3744887.00	0.11271	382801.06	3744887.00	0.12793
382836.66	3744887.00	0.14628	382872.28	3744887.00	0.16882
382907.88	3744887.00	0.19612	382943.50	3744887.00	0.22847
382979.09	3744887.00	0.26587	383014.72	3744887.00	0.31024
383050.31	3744887.00	0.36787	382551.78	3744909.75	0.05684
382587.38	3744909.75	0.06379	382623.00	3744909.75	0.07181
382658.63	3744909.75	0.08103	382694.22	3744909.75	0.09157
382729.84	3744909.75	0.10366	382765.44	3744909.75	0.11767
382801.06	3744909.75	0.13429	382836.66	3744909.75	0.15450
382872.28	3744909.75	0.17962	382907.88	3744909.75	0.21072
382943.50	3744909.75	0.24836	382979.09	3744909.75	0.29283
383014.72	3744909.75	0.34554	382551.78	3744932.50	0.05748
382587.38	3744932.50	0.06472	382623.00	3744932.50	0.07318
382658.63	3744932.50	0.08300	382694.22	3744932.50	0.09436
382729.84	3744932.50	0.10750	382765.44	3744932.50	0.12276
382801.06	3744932.50	0.14094	382836.66	3744932.50	0.16317
382872.28	3744932.50	0.19108	382907.88	3744932.50	0.22630
382943.50	3744932.50	0.27001	382979.09	3744932.50	0.32276
383014.72	3744932.50	0.38589	382551.78	3744955.25	0.05803
382587.38	3744955.25	0.06554	382623.00	3744955.25	0.07440
382658.63	3744955.25	0.08483	382694.22	3744955.25	0.09703
382729.84	3744955.25	0.11128	382765.44	3744955.25	0.12799
382801.06	3744955.25	0.14792	382836.66	3744955.25	0.17238
382872.28	3744955.25	0.20337	382907.88	3744955.25	0.24311
382943.50	3744955.25	0.29362	382979.09	3744955.25	0.35645
383014.72	3744955.25	0.43377	382551.78	3744978.00	0.05849
382587.38	3744978.00	0.06622	382623.00	3744978.00	0.07545
382658.63	3744978.00	0.08645	382694.22	3744978.00	0.09950
382729.84	3744978.00	0.11496	382765.44	3744978.00	0.13325
382801.06	3744978.00	0.15515	382836.66	3744978.00	0.18217
382872.28	3744978.00	0.21659	382907.88	3744978.00	0.26135
382943.50	3744978.00	0.31957	382979.09	3744978.00	0.39423

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	0.48950	382551.78	3745000.75	0.05884
382587.38	3745000.75	0.06675	382623.00	3745000.75	0.07630
382658.63	3745000.75	0.08783	382694.22	3745000.75	0.10172
382729.84	3745000.75	0.11840	382765.44	3745000.75	0.13839
382801.06	3745000.75	0.16261	382836.66	3745000.75	0.19250
382872.28	3745000.75	0.23098	382907.88	3745000.75	0.28154
382943.50	3745000.75	0.34835	382551.78	3745023.25	0.05909
382587.38	3745023.25	0.06713	382623.00	3745023.25	0.07693
382658.63	3745023.25	0.08891	382694.22	3745023.25	0.10356
382729.84	3745023.25	0.12146	382765.44	3745023.25	0.14327
382801.06	3745023.25	0.16997	382836.66	3745023.25	0.20326
382872.28	3745023.25	0.24628	382907.88	3745023.25	0.30354
382551.78	3745046.00	0.05921	382587.38	3745046.00	0.06735
382623.00	3745046.00	0.07734	382658.63	3745046.00	0.08970
382694.22	3745046.00	0.10502	382728.88	3745037.50	0.12263
382764.50	3745037.50	0.14545	382800.09	3745037.50	0.17372
382835.72	3745037.50	0.20922	382871.31	3745037.50	0.25511

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**MODELOPTs: PAGE 109
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.04224	382587.38	3744750.75	0.04758
382623.00	3744750.75	0.05398	382658.63	3744750.75	0.06164
382694.22	3744750.75	0.07077	382729.84	3744750.75	0.08159
382765.44	3744750.75	0.09428	382801.06	3744750.75	0.10893
382836.66	3744750.75	0.12518	382872.28	3744750.75	0.14215
382907.88	3744750.75	0.15852	382943.50	3744750.75	0.17413
382979.09	3744750.75	0.19184	383014.72	3744750.75	0.21668
383050.31	3744750.75	0.24107	382551.78	3744773.50	0.04289
382587.38	3744773.50	0.04838	382623.00	3744773.50	0.05502
382658.63	3744773.50	0.06303	382694.22	3744773.50	0.07270
382729.84	3744773.50	0.08438	382765.44	3744773.50	0.09848
382801.06	3744773.50	0.11537	382836.66	3744773.50	0.13512
382872.28	3744773.50	0.15746	382907.88	3744773.50	0.18104
382943.50	3744773.50	0.20501	382979.09	3744773.50	0.23150
383014.72	3744773.50	0.26476	383050.31	3744773.50	0.29614
382551.78	3744796.25	0.04355	382587.38	3744796.25	0.04919
382623.00	3744796.25	0.05606	382658.63	3744796.25	0.06440
382694.22	3744796.25	0.07456	382729.84	3744796.25	0.08707
382765.44	3744796.25	0.10248	382801.06	3744796.25	0.12152
382836.66	3744796.25	0.14483	382872.28	3744796.25	0.17289
382907.88	3744796.25	0.20551	382943.50	3744796.25	0.24139
382979.09	3744796.25	0.28307	383014.72	3744796.25	0.33267
383050.31	3744796.25	0.37688	382551.78	3744819.00	0.04420
382587.38	3744819.00	0.05000	382623.00	3744819.00	0.05708
382658.63	3744819.00	0.06573	382694.22	3744819.00	0.07638
382729.84	3744819.00	0.08965	382765.44	3744819.00	0.10628
382801.06	3744819.00	0.12735	382836.66	3744819.00	0.15412
382872.28	3744819.00	0.18812	382907.88	3744819.00	0.23082
382943.50	3744819.00	0.28255	382979.09	3744819.00	0.34732
383014.72	3744819.00	0.43073	383050.31	3744819.00	0.50192
382551.78	3744841.75	0.04480	382587.38	3744841.75	0.05076
382623.00	3744841.75	0.05803	382658.63	3744841.75	0.06697
382694.22	3744841.75	0.07807	382729.84	3744841.75	0.09205
382765.44	3744841.75	0.10982	382801.06	3744841.75	0.13279
382836.66	3744841.75	0.16290	382872.28	3744841.75	0.20290
382907.88	3744841.75	0.25628	382943.50	3744841.75	0.32751
382979.09	3744841.75	0.42524	383014.72	3744841.75	0.57309
383050.31	3744841.75	0.68672	382551.78	3744864.50	0.04532
382587.38	3744864.50	0.05142	382623.00	3744864.50	0.05888
382658.63	3744864.50	0.06808	382694.22	3744864.50	0.07957

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.09417	382765.44	3744864.50	0.11301
382801.06	3744864.50	0.13773	382836.66	3744864.50	0.17083
382872.28	3744864.50	0.21630	382907.88	3744864.50	0.28070
382943.50	3744864.50	0.37487	382979.09	3744864.50	0.51550
383014.72	3744864.50	0.73132	383050.31	3744864.50	0.54058
382551.78	3744887.00	0.04573	382587.38	3744887.00	0.05194
382623.00	3744887.00	0.05954	382658.63	3744887.00	0.06896
382694.22	3744887.00	0.08080	382729.84	3744887.00	0.09594
382765.44	3744887.00	0.11560	382801.06	3744887.00	0.14182
382836.66	3744887.00	0.17752	382872.28	3744887.00	0.22795
382907.88	3744887.00	0.30198	382943.50	3744887.00	0.41759
382979.09	3744887.00	0.60883	383014.72	3744887.00	0.84908
383050.31	3744887.00	0.52561	382551.78	3744909.75	0.04601
382587.38	3744909.75	0.05230	382623.00	3744909.75	0.06001
382658.63	3744909.75	0.06960	382694.22	3744909.75	0.08169
382729.84	3744909.75	0.09724	382765.44	3744909.75	0.11761
382801.06	3744909.75	0.14495	382836.66	3744909.75	0.18273
382872.28	3744909.75	0.23703	382907.88	3744909.75	0.31917
382943.50	3744909.75	0.45214	382979.09	3744909.75	0.69159
383014.72	3744909.75	0.82835	382551.78	3744932.50	0.04613
382587.38	3744932.50	0.05246	382623.00	3744932.50	0.06024
382658.63	3744932.50	0.06993	382694.22	3744932.50	0.08218
382729.84	3744932.50	0.09799	382765.44	3744932.50	0.11882
382801.06	3744932.50	0.14698	382836.66	3744932.50	0.18620
382872.28	3744932.50	0.24324	382907.88	3744932.50	0.33037
382943.50	3744932.50	0.47444	382979.09	3744932.50	0.73836
383014.72	3744932.50	0.93577	382551.78	3744955.25	0.04608
382587.38	3744955.25	0.05243	382623.00	3744955.25	0.06023
382658.63	3744955.25	0.06994	382694.22	3744955.25	0.08224
382729.84	3744955.25	0.09814	382765.44	3744955.25	0.11915
382801.06	3744955.25	0.14771	382836.66	3744955.25	0.18768
382872.28	3744955.25	0.24614	382907.88	3744955.25	0.33667
382943.50	3744955.25	0.48773	382979.09	3744955.25	0.76755
383014.72	3744955.25	1.12129	382551.78	3744978.00	0.04587
382587.38	3744978.00	0.05220	382623.00	3744978.00	0.05996
382658.63	3744978.00	0.06962	382694.22	3744978.00	0.08185
382729.84	3744978.00	0.09769	382765.44	3744978.00	0.11863
382801.06	3744978.00	0.14714	382836.66	3744978.00	0.18722
382872.28	3744978.00	0.24591	382907.88	3744978.00	0.33660
382943.50	3744978.00	0.48923	382979.09	3744978.00	0.77622

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	1.19900	382551.78	3745000.75	0.04550
382587.38	3745000.75	0.05176	382623.00	3745000.75	0.05943
382658.63	3745000.75	0.06897	382694.22	3745000.75	0.08103
382729.84	3745000.75	0.09663	382765.44	3745000.75	0.11721
382801.06	3745000.75	0.14526	382836.66	3745000.75	0.18464
382872.28	3745000.75	0.24256	382907.88	3745000.75	0.33207
382943.50	3745000.75	0.48200	382551.78	3745023.25	0.04497
382587.38	3745023.25	0.05112	382623.00	3745023.25	0.05865
382658.63	3745023.25	0.06799	382694.22	3745023.25	0.07978
382729.84	3745023.25	0.09499	382765.44	3745023.25	0.11503
382801.06	3745023.25	0.14228	382836.66	3745023.25	0.18055
382872.28	3745023.25	0.23663	382907.88	3745023.25	0.32377
382551.78	3745046.00	0.04427	382587.38	3745046.00	0.05028
382623.00	3745046.00	0.05761	382658.63	3745046.00	0.06669
382694.22	3745046.00	0.07812	382728.88	3745037.50	0.09322
382764.50	3745037.50	0.11270	382800.09	3745037.50	0.13910
382835.72	3745037.50	0.17608	382871.31	3745037.50	0.23001

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*** *** 14:35:53
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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382551.78	3744750.75	0.05248	382587.38	3744750.75	0.05742
382623.00	3744750.75	0.06286	382658.63	3744750.75	0.06881
382694.22	3744750.75	0.07531	382729.84	3744750.75	0.08247
382765.44	3744750.75	0.09042	382801.06	3744750.75	0.09939
382836.66	3744750.75	0.10953	382872.28	3744750.75	0.12097
382907.88	3744750.75	0.13380	382943.50	3744750.75	0.14838
382979.09	3744750.75	0.16550	383014.72	3744750.75	0.18635
383050.31	3744750.75	0.21112	382551.78	3744773.50	0.05362
382587.38	3744773.50	0.05888	382623.00	3744773.50	0.06472
382658.63	3744773.50	0.07115	382694.22	3744773.50	0.07825
382729.84	3744773.50	0.08614	382765.44	3744773.50	0.09500
382801.06	3744773.50	0.10510	382836.66	3744773.50	0.11664
382872.28	3744773.50	0.12984	382907.88	3744773.50	0.14468
382943.50	3744773.50	0.16154	382979.09	3744773.50	0.18123
383014.72	3744773.50	0.20528	383050.31	3744773.50	0.23430
382551.78	3744796.25	0.05472	382587.38	3744796.25	0.06030
382623.00	3744796.25	0.06655	382658.63	3744796.25	0.07349
382694.22	3744796.25	0.08119	382729.84	3744796.25	0.08983
382765.44	3744796.25	0.09964	382801.06	3744796.25	0.11094
382836.66	3744796.25	0.12405	382872.28	3744796.25	0.13921
382907.88	3744796.25	0.15658	382943.50	3744796.25	0.17619
382979.09	3744796.25	0.19926	383014.72	3744796.25	0.22718
383050.31	3744796.25	0.26139	382551.78	3744819.00	0.05578
382587.38	3744819.00	0.06170	382623.00	3744819.00	0.06836
382658.63	3744819.00	0.07581	382694.22	3744819.00	0.08414
382729.84	3744819.00	0.09356	382765.44	3744819.00	0.10434
382801.06	3744819.00	0.11690	382836.66	3744819.00	0.13168
382872.28	3744819.00	0.14908	382907.88	3744819.00	0.16929
382943.50	3744819.00	0.19240	382979.09	3744819.00	0.21958
383014.72	3744819.00	0.25287	383050.31	3744819.00	0.29348
382551.78	3744841.75	0.05677	382587.38	3744841.75	0.06305
382623.00	3744841.75	0.07014	382658.63	3744841.75	0.07811
382694.22	3744841.75	0.08709	382729.84	3744841.75	0.09731
382765.44	3744841.75	0.10909	382801.06	3744841.75	0.12298
382836.66	3744841.75	0.13953	382872.28	3744841.75	0.15939
382907.88	3744841.75	0.18289	382943.50	3744841.75	0.21027
382979.09	3744841.75	0.24247	383014.72	3744841.75	0.28348
383050.31	3744841.75	0.33184	382551.78	3744864.50	0.05770
382587.38	3744864.50	0.06432	382623.00	3744864.50	0.07186
382658.63	3744864.50	0.08039	382694.22	3744864.50	0.09005

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**MODELOPTs: PAGE 113
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
382729.84	3744864.50	0.10111	382765.44	3744864.50	0.11393
382801.06	3744864.50	0.12914	382836.66	3744864.50	0.14754
382872.28	3744864.50	0.17000	382907.88	3744864.50	0.19722
382943.50	3744864.50	0.22984	382979.09	3744864.50	0.26875
383014.72	3744864.50	0.31815	383050.31	3744864.50	0.35763
382551.78	3744887.00	0.05853	382587.38	3744887.00	0.06549
382623.00	3744887.00	0.07347	382658.63	3744887.00	0.08258
382694.22	3744887.00	0.09298	382729.84	3744887.00	0.10491
382765.44	3744887.00	0.11881	382801.06	3744887.00	0.13540
382836.66	3744887.00	0.15563	382872.28	3744887.00	0.18080
382907.88	3744887.00	0.21195	382943.50	3744887.00	0.25028
382979.09	3744887.00	0.29748	383014.72	3744887.00	0.35395
383050.31	3744887.00	0.39503	382551.78	3744909.75	0.05927
382587.38	3744909.75	0.06655	382623.00	3744909.75	0.07498
382658.63	3744909.75	0.08471	382694.22	3744909.75	0.09588
382729.84	3744909.75	0.10880	382765.44	3744909.75	0.12387
382801.06	3744909.75	0.14194	382836.66	3744909.75	0.16412
382872.28	3744909.75	0.19207	382907.88	3744909.75	0.22745
382943.50	3744909.75	0.27196	382979.09	3744909.75	0.32871
383014.72	3744909.75	0.38821	382551.78	3744932.50	0.05992

382587.38	3744932.50	0.06750	382623.00	3744932.50	0.07637
382658.63	3744932.50	0.08670	382694.22	3744932.50	0.09870
382729.84	3744932.50	0.11267	382765.44	3744932.50	0.12903
382801.06	3744932.50	0.14869	382836.66	3744932.50	0.17297
382872.28	3744932.50	0.20386	382907.88	3744932.50	0.24362
382943.50	3744932.50	0.29478	382979.09	3744932.50	0.36106
383014.72	3744932.50	0.43404	382551.78	3744955.25	0.06048
382587.38	3744955.25	0.06831	382623.00	3744955.25	0.07759
382658.63	3744955.25	0.08853	382694.22	3744955.25	0.10138
382729.84	3744955.25	0.11647	382765.44	3744955.25	0.13427
382801.06	3744955.25	0.15570	382836.66	3744955.25	0.18226
382872.28	3744955.25	0.21630	382907.88	3744955.25	0.26076
382943.50	3744955.25	0.31908	382979.09	3744955.25	0.39627
383014.72	3744955.25	0.49143	382551.78	3744978.00	0.06092
382587.38	3744978.00	0.06898	382623.00	3744978.00	0.07862
382658.63	3744978.00	0.09014	382694.22	3744978.00	0.10383
382729.84	3744978.00	0.12012	382765.44	3744978.00	0.13951
382801.06	3744978.00	0.16290	382836.66	3744978.00	0.19202
382872.28	3744978.00	0.22951	382907.88	3744978.00	0.27900
382943.50	3744978.00	0.34512	382979.09	3744978.00	0.43454

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*** *** 14:35:53
**MODELOPTs: PAGE 114
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
383014.72	3744978.00	0.55127	382551.78	3745000.75	0.06125
382587.38	3745000.75	0.06949	382623.00	3745000.75	0.07944
382658.63	3745000.75	0.09148	382694.22	3745000.75	0.10600
382729.84	3745000.75	0.12350	382765.44	3745000.75	0.14457
382801.06	3745000.75	0.17027	382836.66	3745000.75	0.20222
382872.28	3745000.75	0.24373	382907.88	3745000.75	0.29895
382943.50	3745000.75	0.37354	382551.78	3745023.25	0.06147
382587.38	3745023.25	0.06984	382623.00	3745023.25	0.08004
382658.63	3745023.25	0.09251	382694.22	3745023.25	0.10778
382729.84	3745023.25	0.12648	382765.44	3745023.25	0.14934
382801.06	3745023.25	0.17747	382836.66	3745023.25	0.21277
382872.28	3745023.25	0.25872	382907.88	3745023.25	0.32052
382551.78	3745046.00	0.06155	382587.38	3745046.00	0.07002
382623.00	3745046.00	0.08039	382658.63	3745046.00	0.09323
382694.22	3745046.00	0.10915	382728.88	3745037.50	0.12755
382764.50	3745037.50	0.15140	382800.09	3745037.50	0.18105
382835.72	3745037.50	0.21849	382871.31	3745037.50	0.26721

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*** *** 14:35:53
**MODELOPTs: PAGE 115
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	110.65295	(81110308)	382587.38	3744750.75	115.61959	(81123108)
382623.00	3744750.75	123.86869	(81021908)	382658.63	3744750.75	132.79225	(81111008)
382694.22	3744750.75	141.31192	(81122808)	382729.84	3744750.75	144.99086	(81122808)
382765.44	3744750.75	158.69427	(81103008)	382801.06	3744750.75	165.94135	(81011709)
382836.66	3744750.75	178.01038	(81122908)	382872.28	3744750.75	186.49210	(81122909)
382907.88	3744750.75	194.23943	(81101808)	382943.50	3744750.75	200.95509	(81010909)
382979.09	3744750.75	205.49969	(81011808)	383014.72	3744750.75	211.26782	(81102208)
383050.31	3744750.75	214.36198	(81120308)	382551.78	3744773.50	112.58814	(81031008)
382587.38	3744773.50	120.27035	(81123108)	382623.00	3744773.50	124.96663	(81021908)
382658.63	3744773.50	137.83214	(81020608)	382694.22	3744773.50	147.69122	(81122608)
382729.84	3744773.50	155.49275	(81122808)	382765.44	3744773.50	164.88075	(81103008)
382801.06	3744773.50	174.81564	(81103008)	382836.66	3744773.50	188.75060	(81102808)
382872.28	3744773.50	198.73027	(81122909)	382907.88	3744773.50	206.99692	(81101808)
382943.50	3744773.50	214.11311	(81010909)	382979.09	3744773.50	220.41508	(81011808)
383014.72	3744773.50	226.48813	(81102208)	383050.31	3744773.50	228.94995	(81120308)
382551.78	3744796.25	116.55178	(81013108)	382587.38	3744796.25	123.63840	(81031008)
382623.00	3744796.25	132.14812	(81123108)	382658.63	3744796.25	142.92029	(81021908)
382694.22	3744796.25	154.06395	(81112008)	382729.84	3744796.25	165.08615	(81122808)
382765.44	3744796.25	170.24617	(81103008)	382801.06	3744796.25	187.54950	(81103008)
382836.66	3744796.25	201.04591	(81102808)	382872.28	3744796.25	212.55811	(81122909)
382907.88	3744796.25	222.63292	(81101808)	382943.50	3744796.25	229.54385	(81010909)
382979.09	3744796.25	237.67381	(81011808)	383014.72	3744796.25	241.30429	(81010109)
383050.31	3744796.25	244.91745	(81120308)	382551.78	3744819.00	119.07494	(81020408)
382587.38	3744819.00	126.67808	(81013108)	382623.00	3744819.00	137.80428	(81122609)
382658.63	3744819.00	145.10957	(81021908)	382694.22	3744819.00	161.05521	(81020608)
382729.84	3744819.00	173.75230	(81110908)	382765.44	3744819.00	179.24332	(81122808)
382801.06	3744819.00	200.49060	(81103008)	382836.66	3744819.00	214.47261	(81011709)
382872.28	3744819.00	227.96494	(81122909)	382907.88	3744819.00	240.27078	(81101808)
382943.50	3744819.00	247.24724	(81010909)	382979.09	3744819.00	256.30368	(81011808)
383014.72	3744819.00	263.37909	(81010109)	383050.31	3744819.00	249.49963	(81120308)
382551.78	3744841.75	122.81818	(81112208)	382587.38	3744841.75	131.61281	(81013108)
382623.00	3744841.75	142.32303	(81031008)	382658.63	3744841.75	154.63503	(81123108)
382694.22	3744841.75	168.26665	(81021908)	382729.84	3744841.75	182.84283	(81122608)
382765.44	3744841.75	195.28925	(81122808)	382801.06	3744841.75	214.00047	(81103008)
382836.66	3744841.75	230.71693	(81011709)	382872.28	3744841.75	246.16394	(81122909)
382907.88	3744841.75	260.81821	(81101808)	382943.50	3744841.75	269.22861	(81010909)
382979.09	3744841.75	276.22705	(81010908)	383014.72	3744841.75	288.01886	(81120308)
383050.31	3744841.75	270.54553	(81101708)	382551.78	3744864.50	125.72961	(81122509)
382587.38	3744864.50	136.39568	(81112108)	382623.00	3744864.50	148.39667	(81013108)
382658.63	3744864.50	161.67911	(81121908)	382694.22	3744864.50	172.18507	(81021908)

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**MODELOPTs: PAGE 116
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	192.97815	(81111008)	382765.44	3744864.50	210.68475	(81122808)
382801.06	3744864.50	227.33968	(81103008)	382836.66	3744864.50	248.25391	(81011709)
382872.28	3744864.50	267.81638	(81103108)	382907.88	3744864.50	286.33029	(81101808)
382943.50	3744864.50	298.66296	(81112908)	382979.09	3744864.50	306.68719	(81010908)
383014.72	3744864.50	315.35757	(81120308)	383050.31	3744864.50	310.07114	(81101708)
382551.78	3744887.00	124.80505	(81122509)	382587.38	3744887.00	141.39030	(81122509)
382623.00	3744887.00	154.65182	(81020408)	382658.63	3744887.00	168.60205	(81013108)
382694.22	3744887.00	186.37712	(81123108)	382729.84	3744887.00	205.93764	(81021908)
382765.44	3744887.00	226.80301	(81110908)	382801.06	3744887.00	242.07191	(81103008)
382836.66	3744887.00	269.46799	(81011709)	382872.28	3744887.00	295.02826	(81103108)
382907.88	3744887.00	317.23505	(81101808)	382943.50	3744887.00	331.29279	(81112908)
382979.09	3744887.00	326.05902	(81102208)	383014.72	3744887.00	321.35837	(81010908)
383050.31	3744887.00	307.01004	(81120308)	382551.78	3744909.75	118.77873	(81122509)
382587.38	3744909.75	141.48196	(81122509)	382623.00	3744909.75	161.12808	(81122509)
382658.63	3744909.75	177.14476	(81013108)	382694.22	3744909.75	197.36626	(81031008)
382729.84	3744909.75	215.44499	(81021908)	382765.44	3744909.75	245.50647	(81112008)
382801.06	3744909.75	268.43140	(81122808)	382836.66	3744909.75	298.69098	(81103008)
382872.28	3744909.75	327.71423	(81103108)	382907.88	3744909.75	356.85318	(81101808)
382943.50	3744909.75	376.53668	(81112908)	382979.09	3744909.75	366.08627	(81010109)
383014.72	3744909.75	330.18768	(81101708)	382551.78	3744932.50	128.96147	(81010709)
382587.38	3744932.50	133.76640	(81122509)	382623.00	3744932.50	161.58008	(81122509)
382658.63	3744932.50	185.08275	(81013008)	382694.22	3744932.50	207.07637	(81013108)
382729.84	3744932.50	232.93640	(81123108)	382765.44	3744932.50	262.71466	(81021908)
382801.06	3744932.50	295.58588	(81122808)	382836.66	3744932.50	328.01648	(81103008)
382872.28	3744932.50	365.28641	(81011008)	382907.88	3744932.50	393.43564	(81012508)
382943.50	3744932.50	333.78558	(81011808)	382979.09	3744932.50	296.10327	(81120308)
383014.72	3744932.50	379.27927	(81101708)	382551.78	3744955.25	139.43735	(81010709)
382587.38	3744955.25	147.41234	(81010709)	382623.00	3744955.25	152.89861	(81122509)
382658.63	3744955.25	187.84094	(81122509)	382694.22	3744955.25	216.87572	(81112208)
382729.84	3744955.25	245.18959	(81013108)	382765.44	3744955.25	277.63983	(81123108)
382801.06	3744955.25	320.29678	(81122608)	382836.66	3744955.25	360.53006	(81103008)
382872.28	3744955.25	382.22849	(81011008)	382907.88	3744955.25	393.11139	(81011108)
382943.50	3744955.25	375.27698	(81011808)	382979.09	3744955.25	321.27267	(81120308)
383014.72	3744955.25	284.99335	(81101708)	382551.78	3744978.00	143.11174	(81112608)
382587.38	3744978.00	157.74930	(81010709)	382623.00	3744978.00	170.54478	(81010709)
382658.63	3744978.00	178.64734	(81010709)	382694.22	3744978.00	223.18552	(81122509)
382729.84	3744978.00	260.94147	(81020408)	382765.44	3744978.00	302.54361	(81121908)
382801.06	3744978.00	346.91266	(81020608)	382836.66	3744978.00	398.62363	(81122808)
382872.28	3744978.00	440.32751	(81122908)	382907.88	3744978.00	454.32196	(81011108)
382943.50	3744978.00	426.69235	(81010908)	382979.09	3744978.00	348.21094	(81120308)

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**MODELOPTs: PAGE 117
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	304.10376	(81101708)	382551.78	3745000.75	139.39781	(81112608)
382587.38	3745000.75	160.15897	(81112608)	382623.00	3745000.75	181.30246	(81112608)
382658.63	3745000.75	201.16908	(81010709)	382694.22	3745000.75	216.43872	(81010709)
382729.84	3745000.75	273.21786	(81122509)	382765.44	3745000.75	323.19000	(81013108)
382801.06	3745000.75	377.96915	(81123108)	382836.66	3745000.75	448.95474	(81122808)
382872.28	3745000.75	373.83527	(81102808)	382907.88	3745000.75	388.31195	(81011108)
382943.50	3745000.75	376.94556	(81010908)	382551.78	3745023.25	134.70946	(81120408)
382587.38	3745023.25	151.04552	(81112608)	382623.00	3745023.25	179.50922	(81112608)
382658.63	3745023.25	211.18536	(81112608)	382694.22	3745023.25	242.51263	(81010709)
382729.84	3745023.25	271.59631	(81010709)	382765.44	3745023.25	343.44019	(81122509)
382801.06	3745023.25	421.88980	(81031008)	382836.66	3745023.25	392.33081	(81122808)
382872.28	3745023.25	435.87360	(81011709)	382907.88	3745023.25	455.11627	(81011108)
382551.78	3745046.00	148.76863	(81120408)	382587.38	3745046.00	162.03113	(81120408)
382623.00	3745046.00	176.84792	(81120408)	382658.63	3745046.00	201.09343	(81112608)
382694.22	3745046.00	248.78972	(81112608)	382728.88	3745037.50	291.98285	(81010709)
382764.50	3745037.50	343.92993	(81122509)	382800.09	3745037.50	448.91968	(81020408)
382835.72	3745037.50	431.47852	(81111008)	382871.31	3745037.50	484.44220	(81011709)

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**MODELOPTs: PAGE 118
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	181.19069	(81112208)	382587.38	3744750.75	190.69164	(81013108)
382623.00	3744750.75	201.75641	(81013108)	382658.63	3744750.75	216.07271	(81121908)
382694.22	3744750.75	227.40970	(81123108)	382729.84	3744750.75	246.80600	(81021908)
382765.44	3744750.75	264.87671	(81122608)	382801.06	3744750.75	282.76138	(81122808)
382836.66	3744750.75	307.32657	(81103008)	382872.28	3744750.75	331.42740	(81011709)
382907.88	3744750.75	360.38464	(81011008)	382943.50	3744750.75	384.84033	(81122508)
382979.09	3744750.75	410.01038	(81031508)	383014.72	3744750.75	428.33630	(81112908)
383050.31	3744750.75	439.38339	(81010908)	382551.78	3744773.50	185.04082	(81122509)
382587.38	3744773.50	195.63333	(81112108)	382623.00	3744773.50	208.15395	(81013108)
382658.63	3744773.50	221.28751	(81031008)	382694.22	3744773.50	238.11462	(81123108)
382729.84	3744773.50	253.64079	(81021908)	382765.44	3744773.50	275.20758	(81111008)
382801.06	3744773.50	298.25970	(81122808)	382836.66	3744773.50	318.97247	(81103008)
382872.28	3744773.50	347.52032	(81103008)	382907.88	3744773.50	384.34204	(81113008)
382943.50	3744773.50	413.85745	(81012508)	382979.09	3744773.50	443.90692	(81031508)
383014.72	3744773.50	464.92163	(81112908)	383050.31	3744773.50	478.83258	(81102208)
382551.78	3744796.25	186.11090	(81122509)	382587.38	3744796.25	200.06494	(81122509)
382623.00	3744796.25	213.81842	(81010708)	382658.63	3744796.25	229.02545	(81013108)
382694.22	3744796.25	245.65784	(81031008)	382729.84	3744796.25	263.70465	(81123108)

382765.44 3744796.25 286.61142 (81021908) 382801.06 3744796.25 311.91559 (81110908)
382836.66 3744796.25 332.26144 (81122808) 382872.28 3744796.25 373.33701 (81103008)
382907.88 3744796.25 412.25201 (81122908) 382943.50 3744796.25 447.21887 (81012508)
382979.09 3744796.25 483.00522 (81031508) 383014.72 3744796.25 506.65585 (81112908)
383050.31 3744796.25 522.33380 (81102208) 382551.78 3744819.00 183.75046 (81122509)
382587.38 3744819.00 201.59929 (81122509) 382623.00 3744819.00 219.49014 (81122509)
382658.63 3744819.00 236.04668 (81020408) 382694.22 3744819.00 254.27974 (81013108)
382729.84 3744819.00 275.35931 (81121908) 382765.44 3744819.00 295.41776 (81021908)
382801.06 3744819.00 326.54822 (81111008) 382836.66 3744819.00 357.87866 (81122808)
382872.28 3744819.00 398.56641 (81103008) 382907.88 3744819.00 443.01794 (81102808)
382943.50 3744819.00 485.62244 (81012508) 382979.09 3744819.00 528.05957 (81011708)
383014.72 3744819.00 561.77332 (81011808) 383050.31 3744819.00 577.73608 (81010109)
382551.78 3744841.75 178.62059 (81122509) 382587.38 3744841.75 199.44522 (81122509)
382623.00 3744841.75 221.35522 (81122509) 382658.63 3744841.75 243.16306 (81122509)
382694.22 3744841.75 263.25574 (81020408) 382729.84 3744841.75 285.57117 (81013108)
382765.44 3744841.75 312.68079 (81123108) 382801.06 3744841.75 343.41574 (81021908)
382836.66 3744841.75 380.09717 (81110908) 382872.28 3744841.75 422.98022 (81103008)
382907.88 3744841.75 477.46426 (81102808) 382943.50 3744841.75 532.23273 (81012508)
382979.09 3744841.75 580.04865 (81011708) 383014.72 3744841.75 625.79041 (81011808)
383050.31 3744841.75 645.29614 (81120308) 382551.78 3744864.50 191.75613 (81010709)
382587.38 3744864.50 194.85362 (81010709) 382623.00 3744864.50 218.51367 (81122509)
382658.63 3744864.50 245.01433 (81122509) 382694.22 3744864.50 272.54819 (81122509)

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**MODELOPTs: PAGE 119
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 297.73956 (81020408) 382765.44 3744864.50 326.22021 (81031008)
382801.06 3744864.50 359.65427 (81123108) 382836.66 3744864.50 403.65271 (81111008)
382872.28 3744864.50 446.63947 (81122808) 382907.88 3744864.50 517.60492 (81011709)
382943.50 3744864.50 589.23071 (81012508) 382979.09 3744864.50 649.70032 (81011708)
383014.72 3744864.50 699.53552 (81011808) 383050.31 3744864.50 719.98010 (81120308)
382551.78 3744887.00 204.69318 (81010709) 382587.38 3744887.00 215.10361 (81010709)
382623.00 3744887.00 222.32227 (81010709) 382658.63 3744887.00 240.89301 (81122509)
382694.22 3744887.00 274.77707 (81122509) 382729.84 3744887.00 310.39618 (81122509)
382765.44 3744887.00 342.58331 (81013108) 382801.06 3744887.00 383.00146 (81031008)
382836.66 3744887.00 429.46323 (81021908) 382872.28 3744887.00 487.62424 (81122808)
382907.88 3744887.00 557.98370 (81103008) 382943.50 3744887.00 654.55737 (81012508)
382979.09 3744887.00 737.00372 (81010909) 383014.72 3744887.00 793.83209 (81010908)
383050.31 3744887.00 800.78320 (81120308) 382551.78 3744909.75 210.30763 (81112608)
382587.38 3744909.75 226.32100 (81010709) 382623.00 3744909.75 242.45270 (81010709)
382658.63 3744909.75 255.62308 (81010709) 382694.22 3744909.75 268.41211 (81122509)
382729.84 3744909.75 313.73990 (81122509) 382765.44 3744909.75 360.35867 (81122509)
382801.06 3744909.75 405.16580 (81013108) 382836.66 3744909.75 459.21027 (81123108)
382872.28 3744909.75 527.61310 (81112008) 382907.88 3744909.75 612.36896 (81103008)
382943.50 3744909.75 731.92242 (81122909) 382979.09 3744909.75 844.77667 (81010909)
383014.72 3744909.75 919.56128 (81102208) 382551.78 3744932.50 210.08124 (81112608)
382587.38 3744932.50 229.51682 (81112608) 382623.00 3744932.50 251.36275 (81112608)
382658.63 3744932.50 274.71780 (81010709) 382694.22 3744932.50 296.51382 (81010709)
382729.84 3744932.50 311.94232 (81010709) 382765.44 3744932.50 366.93188 (81122509)
382801.06 3744932.50 428.68243 (81013008) 382836.66 3744932.50 490.36484 (81031008)
382872.28 3744932.50 572.99847 (81021908) 382907.88 3744932.50 672.14142 (81122808)
382943.50 3744932.50 827.48254 (81122909) 382979.09 3744932.50 985.02527 (81010909)
383014.72 3744932.50 1081.31641 (81010109) 382551.78 3744955.25 205.22012 (81112608)
382587.38 3744955.25 225.36510 (81112608) 382623.00 3744955.25 250.23929 (81112608)
382658.63 3744955.25 280.31879 (81112608) 382694.22 3744955.25 313.59479 (81112608)
382729.84 3744955.25 347.80237 (81010709) 382765.44 3744955.25 376.22351 (81010709)
382801.06 3744955.25 442.58612 (81122509) 382836.66 3744955.25 527.35437 (81020408)
382872.28 3744955.25 626.23444 (81123108) 382907.88 3744955.25 758.34204 (81110908)
382943.50 3744955.25 944.05908 (81122909) 382979.09 3744955.25 1085.63904 (81101808)
383014.72 3744955.25 998.68054 (81120308) 382551.78 3744978.00 199.35335 (81120408)
382587.38 3744978.00 217.85893 (81112608) 382623.00 3744978.00 241.28413 (81112608)
382658.63 3744978.00 272.46335 (81112608) 382694.22 3744978.00 313.28378 (81112608)
382729.84 3744978.00 362.02487 (81112608) 382765.44 3744978.00 413.88440 (81010709)
382801.06 3744978.00 463.68558 (81010709) 382836.66 3744978.00 554.77356 (81122509)
382872.28 3744978.00 680.96985 (81013108) 382907.88 3744978.00 853.13788 (81021908)
382943.50 3744978.00 1033.84338 (81122808) 382979.09 3744978.00 1268.84131 (81011808)

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**MODELOPTs: PAGE 120
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

383014.72 3744978.00 1147.97607 (81120308) 382551.78 3745000.75 220.72791 (81120408)
382587.38 3745000.75 237.70107 (81120408) 382623.00 3745000.75 256.94623 (81120408)
382658.63 3745000.75 278.55789 (81120408) 382694.22 3745000.75 302.67450 (81120408)
382729.84 3745000.75 351.27631 (81112608) 382765.44 3745000.75 422.37021 (81112608)
382801.06 3745000.75 503.04425 (81112608) 382836.66 3745000.75 589.15192 (81010709)
382872.28 3745000.75 732.33862 (81122509) 382907.88 3745000.75 954.37793 (81110308)
382943.50 3745000.75 842.51709 (81101808) 382551.78 3745023.25 230.39166 (81120408)
382587.38 3745023.25 250.79346 (81120408) 382623.00 3745023.25 275.27209 (81120408)
382658.63 3745023.25 304.55698 (81120408) 382694.22 3745023.25 339.37036 (81120408)
382729.84 3745023.25 380.71082 (81120408) 382765.44 3745023.25 430.08743 (81120408)
382801.06 3745023.25 501.15350 (81112608) 382836.66 3745023.25 630.34888 (81112608)
382872.28 3745023.25 783.40277 (81010709) 382907.88 3745023.25 1046.67517 (81013008)
382551.78 3745046.00 229.89888 (81120408) 382587.38 3745046.00 250.40448 (81120408)
382623.00 3745046.00 275.90402 (81120408) 382658.63 3745046.00 308.11041 (81120408)
382694.22 3745046.00 349.00458 (81120408) 382728.88 3745037.50 396.32108 (81120408)
382764.50 3745037.50 456.38617 (81120408) 382800.09 3745037.50 531.70111 (81120408)
382835.72 3745037.50 630.09314 (81120408) 382871.31 3745037.50 814.88336 (81112608)

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*** *** 14:35:53
**MODELOPTs: PAGE 121
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***
INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511,
L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382551.78 3744750.75 106.41970 (81122509) 382587.38 3744750.75 114.06537 (81122509)
382623.00 3744750.75 121.30447 (81122509) 382658.63 3744750.75 127.43948 (81013008)
382694.22 3744750.75 133.31061 (81020408) 382729.84 3744750.75 139.73244 (81013108)
382765.44 3744750.75 145.94568 (81031008) 382801.06 3744750.75 154.92444 (81122609)
382836.66 3744750.75 161.03688 (81123108) 382872.28 3744750.75 174.00096 (81021908)
382907.88 3744750.75 185.28035 (81112008) 382943.50 3744750.75 198.16103 (81122808)
382979.09 3744750.75 208.46660 (81103008) 383014.72 3744750.75 229.72043 (81103008)
383050.31 3744750.75 250.59081 (81102808) 382551.78 3744773.50 104.40556 (81122509)
382587.38 3744773.50 112.84255 (81122509) 382623.00 3744773.50 121.44706 (81122509)
382658.63 3744773.50 129.56686 (81122509) 382694.22 3744773.50 136.42651 (81013008)
382729.84 3744773.50 143.09956 (81020408) 382765.44 3744773.50 150.79608 (81013108)
382801.06 3744773.50 159.18721 (81031008) 382836.66 3744773.50 168.71095 (81123108)
382872.28 3744773.50 178.54102 (81021908) 382907.88 3744773.50 192.09859 (81111008)
382943.50 3744773.50 206.05142 (81122808) 382979.09 3744773.50 215.78688 (81122808)
383014.72 3744773.50 242.00169 (81103008) 383050.31 3744773.50 264.28183 (81011709)
382551.78 3744796.25 107.60586 (81010709) 382587.38 3744796.25 110.77822 (81122509)
382623.00 3744796.25 120.26078 (81122509) 382658.63 3744796.25 129.89922 (81122509)
382694.22 3744796.25 139.07501 (81122509) 382729.84 3744796.25 146.83856 (81013008)
382765.44 3744796.25 154.47025 (81020408) 382801.06 3744796.25 163.65558 (81013108)
382836.66 3744796.25 174.40442 (81121908) 382872.28 3744796.25 183.94296 (81123108)
382907.88 3744796.25 199.51738 (81021908) 382943.50 3744796.25 214.71577 (81122608)
382979.09 3744796.25 230.55359 (81122808) 383014.72 3744796.25 253.88501 (81103008)
383050.31 3744796.25 279.15375 (81011709) 382551.78 3744819.00 114.45396 (81010709)
382587.38 3744819.00 115.53861 (81010709) 382623.00 3744819.00 118.16552 (81122509)
382658.63 3744819.00 128.69643 (81122509) 382694.22 3744819.00 139.64851 (81122509)
382729.84 3744819.00 150.22357 (81122509) 382765.44 3744819.00 159.29333 (81112208)
382801.06 3744819.00 168.62775 (81013108) 382836.66 3744819.00 178.86900 (81031008)
382872.28 3744819.00 192.76175 (81123108) 382907.88 3744819.00 205.71875 (81021908)
382943.50 3744819.00 223.71782 (81111008) 382979.09 3744819.00 243.91499 (81122808)
383014.72 3744819.00 264.94318 (81103008) 383050.31 3744819.00 294.52161 (81011709)
382551.78 3744841.75 120.11577 (81010709) 382587.38 3744841.75 122.97563 (81010709)
382623.00 3744841.75 124.96567 (81010709) 382658.63 3744841.75 126.45776 (81122509)
382694.22 3744841.75 138.37785 (81122509) 382729.84 3744841.75 151.10536 (81122509)
382765.44 3744841.75 163.44316 (81122509) 382801.06 3744841.75 174.22282 (81112208)
382836.66 3744841.75 186.10075 (81013108) 382872.28 3744841.75 199.66570 (81031008)
382907.88 3744841.75 214.37039 (81123108) 382943.50 3744841.75 234.08330 (81021908)
382979.09 3744841.75 255.60895 (81110908) 383014.72 3744841.75 274.48978 (81103008)
383050.31 3744841.75 312.70834 (81103008) 382551.78 3744864.50 124.03704 (81010709)
382587.38 3744864.50 128.76985 (81010709) 382623.00 3744864.50 132.82306 (81010709)
382658.63 3744864.50 135.85893 (81010709) 382694.22 3744864.50 137.57120 (81010709)

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*** *** 14:35:53
**MODELOPTs: PAGE 122
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***
INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511,
L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 149.73866 (81122509) 382765.44 3744864.50 164.77066 (81122509)
382801.06 3744864.50 179.42334 (81122509) 382836.66 3744864.50 192.47867 (81020408)
382872.28 3744864.50 207.19318 (81013108) 382907.88 3744864.50 224.58073 (81121908)
382943.50 3744864.50 243.11803 (81021908) 382979.09 3744864.50 269.37173 (81112008)
383014.72 3744864.50 297.01620 (81122808) 383050.31 3744864.50 335.72482 (81103008)
382551.78 3744887.00 126.36644 (81112608) 382587.38 3744887.00 132.32448 (81010709)
382623.00 3744887.00 138.47525 (81010709) 382658.63 3744887.00 144.03435 (81010709)
382694.22 3744887.00 148.55205 (81010709) 382729.84 3744887.00 151.55981 (81010709)
382765.44 3744887.00 163.30824 (81122509) 382801.06 3744887.00 181.40437 (81122509)
382836.66 3744887.00 198.99081 (81122509) 382872.28 3744887.00 215.01848 (81020408)
382907.88 3744887.00 232.85774 (81013108) 382943.50 3744887.00 256.15302 (81123108)
382979.09 3744887.00 283.93771 (81021908) 383014.72 3744887.00 317.58179 (81122808)
383050.31 3744887.00 359.93747 (81103008) 382551.78 3744909.75 126.99247 (81112608)
382587.38 3744909.75 134.36247 (81112608) 382623.00 3744909.75 141.87801 (81112608)
382658.63 3744909.75 149.49498 (81010709) 382694.22 3744909.75 157.08266 (81010709)
382729.84 3744909.75 163.73212 (81010709) 382765.44 3744909.75 168.73663 (81010709)
382801.06 3744909.75 179.82129 (81122509) 382836.66 3744909.75 202.04341 (81122509)
382872.28 3744909.75 223.63873 (81122509) 382907.88 3744909.75 243.67039 (81013108)
382943.50 3744909.75 269.19083 (81031008) 382979.09 3744909.75 297.26392 (81021908)
383014.72 3744909.75 338.14453 (81122608) 382551.78 3744932.50 125.89543 (81112608)
382587.38 3744932.50 134.21603 (81112608) 382623.00 3744932.50 143.08784 (81112608)
382658.63 3744932.50 152.48094 (81112608) 382694.22 3744932.50 162.18584 (81112608)
382729.84 3744932.50 172.25079 (81010709) 382765.44 3744932.50 181.87692 (81010709)
382801.06 3744932.50 189.90289 (81010709) 382836.66 3744932.50 200.39264 (81122509)
382872.28 3744932.50 228.34178 (81122509) 382907.88 3744932.50 255.38043 (81122509)
382943.50 3744932.50 282.95630 (81013108) 382979.09 3744932.50 317.15219 (81122609)
383014.72 3744932.50 360.89920 (81020608) 382551.78 3744955.25 123.55579 (81112608)
382587.38 3744955.25 132.43863 (81112608) 382623.00 3744955.25 142.06317 (81112608)
382658.63 3744955.25 152.63605 (81112608) 382694.22 3744955.25 164.25917 (81112608)
382729.84 3744955.25 176.85701 (81112608) 382765.44 3744955.25 189.99556 (81112608)
382801.06 3744955.25 203.78253 (81010709) 382836.66 3744955.25 216.34065 (81010709)
382872.28 3744955.25 226.80743 (81122509) 382907.88 3744955.25 262.80908 (81122509)
382943.50 3744955.25 297.83759 (81013008) 382979.09 3744955.25 335.52435 (81013108)
383014.72 3744955.25 383.25473 (81021908) 382551.78 3744978.00 127.73862 (81120408)
382587.38 3744978.00 132.05237 (81120408) 382623.00 3744978.00 139.66736 (81112608)
382658.63 3744978.00 150.69453 (81112608) 382694.22 3744978.00 163.16483 (81112608)
382729.84 3744978.00 177.43990 (81112608) 382765.44 3744978.00 193.62317 (81112608)
382801.06 3744978.00 211.49115 (81112608) 382836.66 3744978.00 230.52200 (81010709)
382872.28 3744978.00 249.95313 (81010709) 382907.88 3744978.00 267.11975 (81010709)
382943.50 3744978.00 309.79205 (81122509) 382979.09 3744978.00 357.19312 (81112108)

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**MODELOPTs: PAGE 123
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***
INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511,
L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	414.26437	(81110308)	382551.78	3745000.75	136.65524	(81120408)
382587.38	3745000.75	142.43204	(81120408)	382623.00	3745000.75	148.64128	(81120408)
382658.63	3745000.75	155.31078	(81120408)	382694.22	3745000.75	162.46133	(81120408)
382729.84	3745000.75	175.00464	(81112608)	382765.44	3745000.75	192.35429	(81112608)
382801.06	3745000.75	213.02129	(81112608)	382836.66	3745000.75	237.12880	(81112608)
382872.28	3745000.75	264.21054	(81112608)	382907.88	3745000.75	293.63092	(81010709)
382943.50	3745000.75	323.17392	(81010709)	382551.78	3745023.25	143.34348	(81120408)
382587.38	3745023.25	150.47809	(81120408)	382623.00	3745023.25	158.33429	(81120408)
382658.63	3745023.25	167.02225	(81120408)	382694.22	3745023.25	176.66141	(81120408)
382729.84	3745023.25	187.40941	(81120408)	382765.44	3745023.25	199.40323	(81120408)
382801.06	3745023.25	212.84329	(81120408)	382836.66	3745023.25	235.94672	(81112608)
382872.28	3745023.25	268.42923	(81112608)	382907.88	3745023.25	307.37170	(81112608)
382551.78	3745046.00	147.38858	(81120408)	382587.38	3745046.00	155.58603	(81120408)
382623.00	3745046.00	164.73875	(81120408)	382658.63	3745046.00	175.05069	(81120408)
382694.22	3745046.00	186.77002	(81120408)	382728.88	3745037.50	195.76692	(81120408)
382764.50	3745037.50	210.07050	(81120408)	382800.09	3745037.50	226.51772	(81120408)
382835.72	3745037.50	245.58722	(81120408)	382871.31	3745037.50	267.81818	(81120408)

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**MODELOPTs: PAGE 124
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	88.56438	(81010709)	382587.38	3744750.75	90.67636	(81010709)
382623.00	3744750.75	91.47201	(81010709)	382658.63	3744750.75	97.18087	(81122509)
382694.22	3744750.75	115.43025	(81122509)	382729.84	3744750.75	133.27916	(81122509)
382765.44	3744750.75	148.60275	(81013008)	382801.06	3744750.75	164.14626	(81013108)
382836.66	3744750.75	183.14655	(81031008)	382872.28	3744750.75	208.15875	(81123108)
382907.88	3744750.75	237.05219	(81021908)	382943.50	3744750.75	271.06348	(81122608)
382979.09	3744750.75	292.96622	(81122808)	383014.72	3744750.75	335.61523	(81103008)
383050.31	3744750.75	356.59909	(81011008)	382551.78	3744773.50	91.80548	(81010709)
382587.38	3744773.50	96.47907	(81010709)	382623.00	3744773.50	100.50493	(81010709)
382658.63	3744773.50	102.99843	(81010709)	382694.22	3744773.50	107.11469	(81122509)
382729.84	3744773.50	128.12053	(81122509)	382765.44	3744773.50	148.98453	(81122509)
382801.06	3744773.50	167.70645	(81112208)	382836.66	3744773.50	188.76747	(81013108)
382872.28	3744773.50	215.03645	(81031008)	382907.88	3744773.50	240.91727	(81123108)
382943.50	3744773.50	286.51099	(81111008)	382979.09	3744773.50	330.63531	(81122808)
383014.72	3744773.50	378.09985	(81103008)	383050.31	3744773.50	403.99170	(81113008)
382551.78	3744796.25	92.17906	(81112608)	382587.38	3744796.25	98.59875	(81010709)
382623.00	3744796.25	105.50752	(81010709)	382658.63	3744796.25	111.56393	(81010709)
382694.22	3744796.25	116.19376	(81010709)	382729.84	3744796.25	118.84634	(81122509)
382765.44	3744796.25	143.46094	(81122509)	382801.06	3744796.25	168.57501	(81122509)
382836.66	3744796.25	192.00072	(81112108)	382872.28	3744796.25	219.99495	(81013108)
382907.88	3744796.25	256.38077	(81123108)	382943.50	3744796.25	301.32135	(81021908)
382979.09	3744796.25	360.04633	(81122808)	383014.72	3744796.25	420.66205	(81103008)
383050.31	3744796.25	463.36734	(81102808)	382551.78	3744819.00	89.95781	(81112608)
382587.38	3744819.00	98.03121	(81112608)	382623.00	3744819.00	106.56346	(81112608)
382658.63	3744819.00	115.37177	(81010709)	382694.22	3744819.00	123.86747	(81010709)
382729.84	3744819.00	131.45889	(81010709)	382765.44	3744819.00	137.31058	(81010709)
382801.06	3744819.00	162.51863	(81122509)	382836.66	3744819.00	193.23740	(81122509)
382872.28	3744819.00	223.84294	(81020408)	382907.88	3744819.00	261.81207	(81031008)
382943.50	3744819.00	310.00735	(81123108)	382979.09	3744819.00	385.88464	(81112008)
383014.72	3744819.00	459.23068	(81103008)	383050.31	3744819.00	540.22760	(81011709)
382551.78	3744841.75	85.06480	(81112608)	382587.38	3744841.75	94.36842	(81112608)
382623.00	3744841.75	104.48302	(81112608)	382658.63	3744841.75	115.07671	(81112608)
382694.22	3744841.75	125.94723	(81112608)	382729.84	3744841.75	137.62250	(81010709)
382765.44	3744841.75	148.97037	(81010709)	382801.06	3744841.75	159.53683	(81010709)
382836.66	3744841.75	186.76427	(81122509)	382872.28	3744841.75	225.72087	(81122509)
382907.88	3744841.75	267.07166	(81020408)	382943.50	3744841.75	325.01486	(81121908)
382979.09	3744841.75	405.15662	(81021908)	383014.72	3744841.75	529.50507	(81122808)
383050.31	3744841.75	640.50586	(81011709)	382551.78	3744864.50	78.25298	(81112608)
382587.38	3744864.50	88.06933	(81112608)	382623.00	3744864.50	98.96754	(81112608)
382658.63	3744864.50	110.89787	(81112608)	382694.22	3744864.50	123.88462	(81112608)

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**MODELOPTs: PAGE 125
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	137.89200	(81112608)	382765.44	3744864.50	153.04196	(81010709)
382801.06	3744864.50	169.51570	(81010709)	382836.66	3744864.50	186.57913	(81010709)
382872.28	3744864.50	218.33936	(81122509)	382907.88	3744864.50	269.88144	(81122509)
382943.50	3744864.50	332.68097	(81013108)	382979.09	3744864.50	423.20807	(81123108)
383014.72	3744864.50	589.28046	(81110908)	383050.31	3744864.50	776.17297	(81103008)
382551.78	3744887.00	83.39737	(81120408)	382587.38	3744887.00	87.54610	(81120408)
382623.00	3744887.00	92.07701	(81120408)	382658.63	3744887.00	103.46225	(81112608)
382694.22	3744887.00	117.46938	(81112608)	382729.84	3744887.00	133.25551	(81112608)
382765.44	3744887.00	150.95309	(81112608)	382801.06	3744887.00	170.75954	(81112608)
382836.66	3744887.00	193.52907	(81010709)	382872.28	3744887.00	219.55185	(81010709)
382907.88	3744887.00	261.17773	(81122509)	382943.50	3744887.00	333.52451	(81013008)
382979.09	3744887.00	436.97665	(81031008)	383014.72	3744887.00	629.75195	(81020608)
383050.31	3744887.00	497.93231	(81103008)	382551.78	3744909.75	89.24493	(81120408)
382587.38	3744909.75	94.60825	(81120408)	382623.00	3744909.75	100.57596	(81120408)
382658.63	3744909.75	107.27350	(81120408)	382694.22	3744909.75	114.87283	(81120408)
382729.84	3744909.75	124.15691	(81112608)	382765.44	3744909.75	143.15819	(81112608)
382801.06	3744909.75	165.35887	(81112608)	382836.66	3744909.75	191.37169	(81112608)
382872.28	3744909.75	222.45303	(81010709)	382907.88	3744909.75	261.24786	(81010709)
382943.50	3744909.75	322.52014	(81122509)	382979.09	3744909.75	433.85309	(81020408)
383014.72	3744909.75	511.80115	(81010709)	382551.78	3744932.50	91.63294	(81120408)
382587.38	3744932.50	97.82400	(81120408)	382623.00	3744932.50	104.78641	(81120408)
382658.63	3744932.50	112.68047	(81120408)	382694.22	3744932.50	121.71954	(81120408)
382729.84	3744932.50	132.22678	(81120408)	382765.44	3744932.50	144.62622	(81120408)
382801.06	3744932.50	159.60799	(81120408)	382836.66	3744932.50	181.77504	(81112608)
382872.28	3744932.50	216.01884	(81112608)	382907.88	3744932.50	259.16342	(81112608)
382943.50	3744932.50	317.25299	(81010709)	382979.09	3744932.50	418.90598	(81122509)
383014.72	3744932.50	514.27533	(81123108)	382551.78	3744955.25	90.70361	(81120408)
382587.38	3744955.25	97.30204	(81120408)	382623.00	3744955.25	104.77395	(81120408)
382658.63	3744955.25	113.30480	(81120408)	382694.22	3744955.25	123.13748	(81120408)
382729.84	3744955.25	134.63049	(81120408)	382765.44	3744955.25	148.24039	(81120408)
382801.06	3744955.25	164.68648	(81120408)	382836.66	3744955.25	185.00577	(81120408)
382872.28	3744955.25	210.97826	(81120408)	382907.88	3744955.25	247.00742	(81112608)
382943.50	3744955.25	309.00168	(81112608)	382979.09	3744955.25	400.06097	(81010709)
383014.72	3744955.25	541.65588	(81013108)	382551.78	3744978.00	86.96066	(81120408)
382587.38	3744978.00	93.58086	(81120408)	382623.00	3744978.00	101.10966	(81120408)
382658.63	3744978.00	109.74789	(81120408)	382694.22	3744978.00	119.75984	(81120408)
382729.84	3744978.00	131.53348	(81120408)	382765.44	3744978.00	145.56145	(81120408)
382801.06	3744978.00	162.60504	(81120408)	382836.66	3744978.00	183.73489	(81120408)
382872.28	3744978.00	210.73335	(81120408)	382907.88	3744978.00	246.53290	(81120408)
382943.50	3744978.00	296.83591	(81120408)	382979.09	3744978.00	373.70364	(81120408)

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**MODELOPTs: PAGE 126
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	517.59058	(81010709)	382551.78	3745000.75	81.11473	(81120408)
382587.38	3745000.75	87.45474	(81120408)	382623.00	3745000.75	94.67575	(81120408)
382658.63	3745000.75	102.97879	(81120408)	382694.22	3745000.75	112.63232	(81120408)
382729.84	3745000.75	124.03445	(81120408)	382765.44	3745000.75	137.70058	(81120408)
382801.06	3745000.75	154.42992	(81120408)	382836.66	3745000.75	175.35330	(81120408)
382872.28	3745000.75	202.32959	(81120408)	382907.88	3745000.75	238.34943	(81120408)
382943.50	3745000.75	289.01172	(81120408)	382551.78	3745023.25	74.00512	(81120408)
382587.38	3745023.25	79.88018	(81120408)	382623.00	3745023.25	86.56362	(81120408)
382658.63	3745023.25	94.23900	(81120408)	382694.22	3745023.25	103.15392	(81120408)
382729.84	3745023.25	113.68004	(81120408)	382765.44	3745023.25	126.30634	(81120408)
382801.06	3745023.25	141.80200	(81120408)	382836.66	3745023.25	161.27565	(81120408)
382872.28	3745023.25	186.56801	(81120408)	382907.88	3745023.25	220.87321	(81102008)
382551.78	3745046.00	66.12954	(81120408)	382587.38	3745046.00	71.45400	(81120408)
382623.00	3745046.00	77.49559	(81120408)	382658.63	3745046.00	84.40926	(81120408)
382694.22	3745046.00	92.40294	(81120408)	382728.88	3745037.50	106.01598	(81120408)
382764.50	3745037.50	117.71210	(81120408)	382800.09	3745037.50	131.98906	(81120408)
382835.72	3745037.50	157.52374	(81102008)	382871.31	3745037.50	187.74232	(81102008)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 127
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	17.76747	(81110308)	382587.38	3744750.75	18.57495	(81123108)
382623.00	3744750.75	19.90907	(81021908)	382658.63	3744750.75	21.35983	(81111008)
382694.22	3744750.75	22.74186	(81122808)	382729.84	3744750.75	23.35420	(81122808)
382765.44	3744750.75	25.56243	(81103008)	382801.06	3744750.75	26.74002	(81011709)
382836.66	3744750.75	28.70375	(81122908)	382872.28	3744750.75	30.08648	(81122909)
382907.88	3744750.75	31.34718	(81101808)	382943.50	3744750.75	32.44545	(81010909)
382979.09	3744750.75	33.18995	(81011808)	383014.72	3744750.75	34.14442	(81102208)
383050.31	3744750.75	34.66855	(81120308)	382551.78	3744773.50	18.08451	(81031008)
382587.38	3744773.50	19.32872	(81123108)	382623.00	3744773.50	20.09514	(81021908)
382658.63	3744773.50	22.18367	(81020608)	382694.22	3744773.50	23.78820	(81122608)
382729.84	3744773.50	25.06380	(81122808)	382765.44	3744773.50	26.58019	(81103008)
382801.06	3744773.50	28.21316	(81103008)	382836.66	3744773.50	30.47083	(81102808)
382872.28	3744773.50	32.09665	(81122909)	382907.88	3744773.50	33.44353	(81101808)
382943.50	3744773.50	34.61059	(81010909)	382979.09	3744773.50	35.64706	(81011808)
383014.72	3744773.50	36.66679	(81102208)	383050.31	3744773.50	37.10443	(81120308)
382551.78	3744796.25	18.73111	(81013108)	382587.38	3744796.25	19.87881	(81031008)
382623.00	3744796.25	21.26830	(81123108)	382658.63	3744796.25	23.01867	(81021908)
382694.22	3744796.25	24.83448	(81112008)	382729.84	3744796.25	26.63154	(81122808)
382765.44	3744796.25	27.47007	(81103008)	382801.06	3744796.25	30.29895	(81103008)
382836.66	3744796.25	32.49289	(81102808)	382872.28	3744796.25	34.37447	(81122909)
382907.88	3744796.25	36.02461	(81101808)	382943.50	3744796.25	37.15845	(81010909)
382979.09	3744796.25	38.50290	(81011808)	383014.72	3744796.25	39.11640	(81010109)
383050.31	3744796.25	39.79930	(81120308)	382551.78	3744819.00	19.14601	(81020408)
382587.38	3744819.00	20.38094	(81013108)	382623.00	3744819.00	22.19099	(81122609)
382658.63	3744819.00	23.38688	(81021908)	382694.22	3744819.00	25.98555	(81020608)
382729.84	3744819.00	28.06160	(81110908)	382765.44	3744819.00	28.98068	(81122808)
382801.06	3744819.00	32.42606	(81103008)	382836.66	3744819.00	34.71366	(81011709)
382872.28	3744819.00	36.91977	(81122909)	382907.88	3744819.00	38.94528	(81101808)
382943.50	3744819.00	40.09263	(81010909)	382979.09	3744819.00	41.59782	(81011808)
383014.72	3744819.00	42.79609	(81010109)	383050.31	3744819.00	40.58591	(81120308)
382551.78	3744841.75	19.75572	(81112208)	382587.38	3744841.75	21.18685	(81013108)
382623.00	3744841.75	22.93536	(81031008)	382658.63	3744841.75	24.95070	(81123108)
382694.22	3744841.75	27.17533	(81021908)	382729.84	3744841.75	29.56038	(81122608)
382765.44	3744841.75	31.61150	(81122808)	382801.06	3744841.75	34.66021	(81103008)
382836.66	3744841.75	37.40438	(81011709)	382872.28	3744841.75	39.94167	(81122909)
382907.88	3744841.75	42.36270	(81101808)	382943.50	3744841.75	43.76165	(81010909)
382979.09	3744841.75	44.90546	(81011808)	383014.72	3744841.75	46.94037	(81120308)
383050.31	3744841.75	44.11172	(81101708)	382551.78	3744864.50	20.23432	(81122509)
382587.38	3744864.50	21.97378	(81112108)	382623.00	3744864.50	23.93643	(81013108)
382658.63	3744864.50	26.10969	(81121908)	382694.22	3744864.50	27.83412	(81021908)

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**MODELOPTs: PAGE 128
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	31.24225	(81111008)	382765.44	3744864.50	34.15215	(81122808)
382801.06	3744864.50	36.88256	(81103008)	382836.66	3744864.50	40.32467	(81011709)
382872.28	3744864.50	43.56868	(81103108)	382907.88	3744864.50	46.63715	(81101808)
382943.50	3744864.50	48.68798	(81112908)	382979.09	3744864.50	50.03074	(81010908)
383014.72	3744864.50	51.59489	(81120308)	383050.31	3744864.50	50.77025	(81101708)
382551.78	3744887.00	20.09729	(81122509)	382587.38	3744887.00	22.79906	(81122509)
382623.00	3744887.00	24.97346	(81020408)	382658.63	3744887.00	27.26781	(81013108)
382694.22	3744887.00	30.18712	(81123108)	382729.84	3744887.00	33.40867	(81021908)
382765.44	3744887.00	36.85219	(81110908)	382801.06	3744887.00	39.37509	(81103008)
382836.66	3744887.00	43.90043	(81011709)	382872.28	3744887.00	48.15165	(81103108)
382907.88	3744887.00	51.87229	(81101808)	382943.50	3744887.00	54.23347	(81112908)
382979.09	3744887.00	53.33083	(81102208)	383014.72	3744887.00	52.91573	(81010908)
383050.31	3744887.00	50.71701	(81120308)	382551.78	3744909.75	19.13823	(81122509)
382587.38	3744909.75	22.83189	(81122509)	382623.00	3744909.75	26.04753	(81122509)
382658.63	3744909.75	28.68559	(81013108)	382694.22	3744909.75	32.02438	(81031008)
382729.84	3744909.75	35.03938	(81123108)	382765.44	3744909.75	40.01115	(81112008)
382801.06	3744909.75	43.85822	(81122808)	382836.66	3744909.75	48.88216	(81103008)
382872.28	3744909.75	53.69887	(81103108)	382907.88	3744909.75	58.64516	(81101808)
382943.50	3744909.75	62.00501	(81112908)	382979.09	3744909.75	60.18790	(81010109)
383014.72	3744909.75	54.25840	(81101708)	382551.78	3744932.50	20.79715	(81010709)
382587.38	3744932.50	21.59647	(81122509)	382623.00	3744932.50	26.13816	(81122509)
382658.63	3744932.50	30.00643	(81013008)	382694.22	3744932.50	33.64949	(81013108)
382729.84	3744932.50	37.94940	(81123108)	382765.44	3744932.50	42.92068	(81021908)
382801.06	3744932.50	48.42793	(81122808)	382836.66	3744932.50	53.83507	(81103008)
382872.28	3744932.50	60.13485	(81011008)	382907.88	3744932.50	65.08733	(81012508)
382943.50	3744932.50	54.79212	(81011808)	382979.09	3744932.50	48.34908	(81120308)
383014.72	3744932.50	62.69524	(81101708)	382551.78	3744955.25	22.49591	(81010709)
382587.38	3744955.25	23.82359	(81010709)	382623.00	3744955.25	24.74820	(81122509)
382658.63	3744955.25	30.48197	(81122509)	382694.22	3744955.25	35.29456	(81112208)
382729.84	3744955.25	40.03161	(81013108)	382765.44	3744955.25	45.49439	(81123108)
382801.06	3744955.25	52.63546	(81122608)	382836.66	3744955.25	59.40300	(81103008)
382872.28	3744955.25	63.39927	(81103008)	382907.88	3744955.25	64.96465	(81011108)
382943.50	3744955.25	61.90549	(81011808)	382979.09	3744955.25	52.60274	(81120308)
383014.72	3744955.25	46.61495	(81101708)	382551.78	3744978.00	23.09643	(81112608)
382587.38	3744978.00	25.50410	(81010709)	382623.00	3744978.00	27.63315	(81010709)
382658.63	3744978.00	29.02541	(81010709)	382694.22	3744978.00	36.37040	(81122509)
382729.84	3744978.00	42.69188	(81020408)	382765.44	3744978.00	49.71062	(81121908)
382801.06	3744978.00	57.18097	(81020608)	382836.66	3744978.00	66.15471	(81122808)
382872.28	3744978.00	73.28314	(81122908)	382907.88	3744978.00	75.64536	(81011108)
382943.50	3744978.00	70.85570	(81010908)	382979.09	3744978.00	57.21119	(81120308)

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**MODELOPTs: PAGE 129
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	49.87672	(81101708)	382551.78	3745000.75	22.50648	(81112608)
382587.38	3745000.75	25.90999	(81112608)	382623.00	3745000.75	29.39991	(81112608)
382658.63	3745000.75	32.70819	(81010709)	382694.22	3745000.75	35.32113	(81010709)
382729.84	3745000.75	44.79152	(81122509)	382765.44	3745000.75	53.24554	(81013108)
382801.06	3745000.75	62.61190	(81123108)	382836.66	3745000.75	75.02078	(81122808)
382872.28	3745000.75	62.20514	(81102808)	382907.88	3745000.75	64.61079	(81011108)
382943.50	3745000.75	62.61353	(81010908)	382551.78	3745023.25	21.74978	(81120408)
382587.38	3745023.25	24.44474	(81112608)	382623.00	3745023.25	29.12754	(81112608)
382658.63	3745023.25	34.37764	(81112608)	382694.22	3745023.25	39.61948	(81010709)
382729.84	3745023.25	44.61279	(81010709)	382765.44	3745023.25	56.73025	(81122509)
382801.06	3745023.25	70.30779	(81031008)	382836.66	3745023.25	65.69086	(81110908)
382872.28	3745023.25	73.24522	(81011709)	382907.88	3745023.25	76.46983	(81011108)
382551.78	3745046.00	24.03125	(81120408)	382587.38	3745046.00	26.22939	(81120408)
382623.00	3745046.00	28.70368	(81120408)	382658.63	3745046.00	32.75905	(81112608)
382694.22	3745046.00	40.71422	(81112608)	382728.88	3745037.50	47.99167	(81010709)
382764.50	3745037.50	56.93919	(81122509)	382800.09	3745037.50	75.13831	(81020408)
382835.72	3745037.50	72.72932	(81111008)	382871.31	3745037.50	82.09111	(81011709)

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*** *** 14:35:53
**MODELOPTs: PAGE 130
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	37.13814	(81112208)	382587.38	3744750.75	39.10813	(81013108)
382623.00	3744750.75	41.41048	(81013108)	382658.63	3744750.75	44.38246	(81121908)
382694.22	3744750.75	46.75392	(81123108)	382729.84	3744750.75	50.77547	(81021908)
382765.44	3744750.75	54.53301	(81122608)	382801.06	3744750.75	58.27426	(81122808)
382836.66	3744750.75	63.35192	(81103008)	382872.28	3744750.75	68.35606	(81011709)
382907.88	3744750.75	74.37881	(81011008)	382943.50	3744750.75	79.46989	(81012508)
382979.09	3744750.75	84.68415	(81031508)	383014.72	3744750.75	88.48502	(81112908)
383050.31	3744750.75	90.75470	(81010908)	382551.78	3744773.50	37.93941	(81122509)
382587.38	3744773.50	40.13762	(81112108)	382623.00	3744773.50	42.74120	(81013108)
382658.63	3744773.50	45.47556	(81031008)	382694.22	3744773.50	48.98271	(81123108)
382729.84	3744773.50	52.21488	(81021908)	382765.44	3744773.50	56.71765	(81111008)
382801.06	3744773.50	61.52399	(81122808)	382836.66	3744773.50	65.81706	(81103008)
382872.28	3744773.50	71.82257	(81103008)	382907.88	3744773.50	79.43688	(81113008)
382943.50	3744773.50	85.58509	(81012508)	382979.09	3744773.50	91.82533	(81031508)
383014.72	3744773.50	96.19994	(81112908)	383050.31	3744773.50	99.05508	(81102208)
382551.78	3744796.25	38.17004	(81122509)	382587.38	3744796.25	41.06207	(81122509)
382623.00	3744796.25	43.92608	(81010708)	382658.63	3744796.25	47.09661	(81013108)
382694.22	3744796.25	50.56768	(81031008)	382729.84	3744796.25	54.34780	(81123108)
382765.44	3744796.25	59.12700	(81021908)	382801.06	3744796.25	64.41706	(81110908)
382836.66	3744796.25	68.72319	(81122808)	382872.28	3744796.25	77.26487	(81103008)
382907.88	3744796.25	85.34485	(81122908)	382943.50	3744796.25	92.63150	(81012508)
382979.09	3744796.25	100.09045	(81031508)	383014.72	3744796.25	105.04113	(81112908)
383050.31	3744796.25	108.26421	(81102208)	382551.78	3744819.00	37.69706	(81122509)
382587.38	3744819.00	41.39244	(81122509)	382623.00	3744819.00	45.11298	(81122509)
382658.63	3744819.00	48.57037	(81020408)	382694.22	3744819.00	52.38415	(81013108)
382729.84	3744819.00	56.79870	(81121908)	382765.44	3744819.00	60.99966	(81021908)
382801.06	3744819.00	67.53732	(81111008)	382836.66	3744819.00	74.12165	(81122808)
382872.28	3744819.00	82.61283	(81103008)	382907.88	3744819.00	91.90193	(81102808)
382943.50	3744819.00	100.77360	(81012508)	382979.09	3744819.00	109.61542	(81011708)
383014.72	3744819.00	116.66991	(81011808)	383050.31	3744819.00	119.96108	(81010109)
382551.78	3744841.75	36.65528	(81122509)	382587.38	3744841.75	40.96637	(81122509)
382623.00	3744841.75	45.51775	(81122509)	382658.63	3744841.75	50.06448	(81122509)
382694.22	3744841.75	54.27423	(81020408)	382729.84	3744841.75	58.96326	(81013108)
382765.44	3744841.75	64.66010	(81123108)	382801.06	3744841.75	71.12838	(81021908)
382836.66	3744841.75	78.86427	(81110908)	382872.28	3744841.75	87.83040	(81103008)
382907.88	3744841.75	99.28045	(81011709)	382943.50	3744841.75	110.71500	(81012508)
382979.09	3744841.75	120.66010	(81011708)	383014.72	3744841.75	130.31721	(81011808)
383050.31	3744841.75	134.35147	(81120308)	382551.78	3744864.50	39.36590	(81010709)
382587.38	3744864.50	40.04125	(81010709)	382623.00	3744864.50	44.95399	(81122509)
382658.63	3744864.50	50.47369	(81122509)	382694.22	3744864.50	56.23170	(81122509)

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*** *** 14:35:53
**MODELOPTs: PAGE 131
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	61.53428	(81020408)	382765.44	3744864.50	67.53967	(81031008)
382801.06	3744864.50	74.63091	(81123108)	382836.66	3744864.50	83.93086	(81111008)
382872.28	3744864.50	93.08998	(81122808)	382907.88	3744864.50	107.91715	(81011709)
382943.50	3744864.50	122.96423	(81012508)	382979.09	3744864.50	135.59872	(81011708)
383014.72	3744864.50	146.15466	(81011808)	383050.31	3744864.50	150.42343	(81120308)
382551.78	3744887.00	42.03564	(81010709)	382587.38	3744887.00	44.22022	(81010709)
382623.00	3744887.00	45.75985	(81010709)	382658.63	3744887.00	49.65144	(81122509)
382694.22	3744887.00	56.73111	(81122509)	382729.84	3744887.00	64.21032	(81122509)
382765.44	3744887.00	71.02040	(81013108)	382801.06	3744887.00	79.59882	(81031008)
382836.66	3744887.00	89.48199	(81021908)	382872.28	3744887.00	101.88107	(81122808)
382907.88	3744887.00	116.85760	(81103008)	382943.50	3744887.00	137.10434	(81012508)
382979.09	3744887.00	154.46097	(81010909)	383014.72	3744887.00	166.39769	(81010908)
383050.31	3744887.00	168.07213	(81120308)	382551.78	3744909.75	43.20188	(81112608)
382587.38	3744909.75	46.54388	(81010709)	382623.00	3744909.75	49.92613	(81010709)
382658.63	3744909.75	52.71807	(81010709)	382694.22	3744909.75	55.45446	(81122509)
382729.84	3744909.75	64.96004	(81122509)	382765.44	3744909.75	74.80408	(81122509)
382801.06	3744909.75	84.35135	(81013108)	382836.66	3744909.75	95.92876	(81123108)
382872.28	3744909.75	110.60001	(81112008)	382907.88	3744909.75	128.71140	(81103008)
382943.50	3744909.75	154.06543	(81122909)	382979.09	3744909.75	177.98454	(81010909)
383014.72	3744909.75	193.83447	(81102208)	382551.78	3744932.50	43.16928	(81112608)
382587.38	3744932.50	47.21848	(81112608)	382623.00	3744932.50	51.78390	(81112608)
382658.63	3744932.50	56.68808	(81010709)	382694.22	3744932.50	61.30424	(81010709)
382729.84	3744932.50	64.64497	(81010709)	382765.44	3744932.50	76.25993	(81122509)
382801.06	3744932.50	89.40754	(81013008)	382836.66	3744932.50	102.67616	(81031008)
382872.28	3744932.50	120.54124	(81021908)	382907.88	3744932.50	142.16872	(81122808)
382943.50	3744932.50	175.19174	(81122909)	382979.09	3744932.50	209.02003	(81010909)
383014.72	3744932.50	229.53172	(81010109)	382551.78	3744955.25	42.18427	(81112608)
382587.38	3744955.25	46.38232	(81112608)	382623.00	3744955.25	51.57632	(81112608)
382658.63	3744955.25	57.87556	(81112608)	382694.22	3744955.25	64.88055	(81112608)
382729.84	3744955.25	72.14288	(81010709)	382765.44	3744955.25	78.28655	(81010709)
382801.06	3744955.25	92.46236	(81122509)	382836.66	3744955.25	110.73079	(81020408)
382872.28	3744955.25	132.29755	(81123108)	382907.88	3744955.25	161.34654	(81122608)
382943.50	3744955.25	201.42197	(81122909)	382979.09	3744955.25	232.97412	(81101808)
383014.72	3744955.25	212.01007	(81120308)	382551.78	3744978.00	40.97039	(81120408)
382587.38	3744978.00	44.85539	(81112608)	382623.00	3744978.00	49.75425	(81112608)
382658.63	3744978.00	56.28603	(81112608)	382694.22	3744978.00	64.86211	(81112608)
382729.84	3744978.00	75.15959	(81112608)	382765.44	3744978.00	86.22749	(81010709)
382801.06	3744978.00	97.04353	(81010709)	382836.66	3744978.00	116.78413	(81122509)
382872.28	3744978.00	144.48340	(81013108)	382907.88	3744978.00	182.83321	(81021908)
382943.50	3744978.00	224.51215	(81122808)	382979.09	3744978.00	273.54996	(81011808)

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**MODELOPTs: PAGE 132
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	245.98047	(81120308)	382551.78	3745000.75	45.37408	(81120408)
382587.38	3745000.75	48.92786	(81120408)	382623.00	3745000.75	52.97263	(81120408)
382658.63	3745000.75	57.53733	(81120408)	382694.22	3745000.75	62.66423	(81120408)
382729.84	3745000.75	72.99508	(81112608)	382765.44	3745000.75	88.09868	(81112608)
382801.06	3745000.75	105.45153	(81112608)	382836.66	3745000.75	124.36356	(81010709)
382872.28	3745000.75	156.04951	(81122509)	382907.88	3745000.75	206.23764	(81031008)
382943.50	3745000.75	179.80908	(81101808)	382551.78	3745023.25	47.37226	(81120408)
382587.38	3745023.25	51.63767	(81120408)	382623.00	3745023.25	56.77050	(81120408)
382658.63	3745023.25	62.93496	(81120408)	382694.22	3745023.25	70.30138	(81120408)
382729.84	3745023.25	79.11048	(81120408)	382765.44	3745023.25	89.73164	(81120408)
382801.06	3745023.25	105.22625	(81112608)	382836.66	3745023.25	133.36273	(81112608)
382872.28	3745023.25	167.67123	(81010709)	382907.88	3745023.25	228.01677	(81013008)
382551.78	3745046.00	47.28408	(81120408)	382587.38	3745046.00	51.57396	(81120408)
382623.00	3745046.00	56.92181	(81120408)	382658.63	3745046.00	63.69730	(81120408)
382694.22	3745046.00	72.33681	(81120408)	382728.88	3745037.50	82.38358	(81120408)
382764.50	3745037.50	95.26644	(81120408)	382800.09	3745037.50	111.61797	(81120408)
382835.72	3745037.50	133.34839	(81120408)	382871.31	3745037.50	174.71660	(81112608)

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**MODELOPTs: PAGE 133
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	18.54182	(81122509)	382587.38	3744750.75	19.88219	(81122509)
382623.00	3744750.75	21.15399	(81122509)	382658.63	3744750.75	22.23564	(81013008)
382694.22	3744750.75	23.27341	(81020408)	382729.84	3744750.75	24.40916	(81013108)
382765.44	3744750.75	25.51004	(81031008)	382801.06	3744750.75	27.09939	(81122609)
382836.66	3744750.75	28.19310	(81123108)	382872.28	3744750.75	30.48207	(81021908)
382907.88	3744750.75	32.48523	(81112008)	382943.50	3744750.75	34.77366	(81122808)
382979.09	3744750.75	36.59182	(81103008)	383014.72	3744750.75	40.38338	(81103008)
383050.31	3744750.75	44.07126	(81102808)	382551.78	3744773.50	18.19493	(81122509)
382587.38	3744773.50	19.67364	(81122509)	382623.00	3744773.50	21.18439	(81122509)
382658.63	3744773.50	22.61321	(81122509)	382694.22	3744773.50	23.82502	(81013008)
382729.84	3744773.50	25.00705	(81020408)	382765.44	3744773.50	26.37073	(81013108)
382801.06	3744773.50	27.85886	(81031008)	382836.66	3744773.50	29.55170	(81123108)
382872.28	3744773.50	31.29578	(81021908)	382907.88	3744773.50	33.70620	(81111008)
382943.50	3744773.50	36.18464	(81122808)	382979.09	3744773.50	37.95467	(81122808)
383014.72	3744773.50	42.58481	(81103008)	383050.31	3744773.50	46.54615	(81011709)
382551.78	3744796.25	18.75154	(81010709)	382587.38	3744796.25	19.31859	(81122509)
382623.00	3744796.25	20.98325	(81122509)	382658.63	3744796.25	22.67803	(81122509)
382694.22	3744796.25	24.29549	(81122509)	382729.84	3744796.25	25.67020	(81013008)
382765.44	3744796.25	27.02582	(81020408)	382801.06	3744796.25	28.65765	(81013108)
382836.66	3744796.25	30.56722	(81121908)	382872.28	3744796.25	32.27475	(81123108)
382907.88	3744796.25	35.03901	(81021908)	382943.50	3744796.25	37.74577	(81122608)
382979.09	3744796.25	40.59035	(81122808)	383014.72	3744796.25	44.72542	(81103008)
383050.31	3744796.25	49.22932	(81011709)	382551.78	3744819.00	19.94898	(81010709)
382587.38	3744819.00	20.14785	(81010709)	382623.00	3744819.00	20.62383	(81122509)
382658.63	3744819.00	22.47528	(81122509)	382694.22	3744819.00	24.40423	(81122509)
382729.84	3744819.00	26.27222	(81122509)	382765.44	3744819.00	27.88222	(81112208)
382801.06	3744819.00	29.54323	(81013108)	382836.66	3744819.00	31.36832	(81031008)
382872.28	3744819.00	33.84472	(81123108)	382907.88	3744819.00	36.15657	(81021908)
382943.50	3744819.00	39.37437	(81111008)	382979.09	3744819.00	42.98658	(81122808)
383014.72	3744819.00	46.73089	(81103008)	383050.31	3744819.00	52.01569	(81011709)
382551.78	3744841.75	20.94025	(81010709)	382587.38	3744841.75	21.45003	(81010709)
382623.00	3744841.75	21.81006	(81010709)	382658.63	3744841.75	22.09197	(81122509)
382694.22	3744841.75	24.19128	(81122509)	382729.84	3744841.75	26.43732	(81122509)
382765.44	3744841.75	28.62200	(81122509)	382801.06	3744841.75	30.54153	(81112208)
382836.66	3744841.75	32.66081	(81013108)	382872.28	3744841.75	35.08474	(81031008)
382907.88	3744841.75	37.72544	(81123108)	382943.50	3744841.75	41.24838	(81021908)
382979.09	3744841.75	45.10580	(81110908)	383014.72	3744841.75	48.48000	(81103008)
383050.31	3744841.75	55.39130	(81103008)	382551.78	3744864.50	21.62872	(81010709)
382587.38	3744864.50	22.46633	(81010709)	382623.00	3744864.50	23.18773	(81010709)
382658.63	3744864.50	23.73408	(81010709)	382694.22	3744864.50	24.05186	(81010709)

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**MODELOPTs: PAGE 134
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	26.20990	(81122509)	382765.44	3744864.50	28.86871	(81122509)
382801.06	3744864.50	31.47102	(81122509)	382836.66	3744864.50	33.80406	(81020408)
382872.28	3744864.50	36.44070	(81013108)	382907.88	3744864.50	39.56087	(81121908)
382943.50	3744864.50	42.88898	(81021908)	382979.09	3744864.50	47.61299	(81112008)
383014.72	3744864.50	52.62499	(81122808)	383050.31	3744864.50	59.57966	(81103008)
382551.78	3744887.00	22.03954	(81112608)	382587.38	3744887.00	23.09247	(81010709)
382623.00	3744887.00	24.18132	(81010709)	382658.63	3744887.00	25.17022	(81010709)
382694.22	3744887.00	25.98090	(81010709)	382729.84	3744887.00	26.53165	(81010709)
382765.44	3744887.00	28.62771	(81122509)	382801.06	3744887.00	31.83736	(81122509)
382836.66	3744887.00	34.97235	(81122509)	382872.28	3744887.00	37.85025	(81020408)
382907.88	3744887.00	41.06667	(81013108)	382943.50	3744887.00	45.26529	(81123108)
382979.09	3744887.00	50.28211	(81021908)	383014.72	3744887.00	56.36620	(81122808)
383050.31	3744887.00	64.02037	(81103008)	382551.78	3744909.75	22.15441	(81112608)
382587.38	3744909.75	23.45405	(81112608)	382623.00	3744909.75	24.78243	(81112608)
382658.63	3744909.75	26.13334	(81010709)	382694.22	3744909.75	27.48327	(81010709)
382729.84	3744909.75	28.67483	(81010709)	382765.44	3744909.75	29.58481	(81010709)
382801.06	3744909.75	31.58033	(81122509)	382836.66	3744909.75	35.53531	(81122509)
382872.28	3744909.75	39.40325	(81122509)	382907.88	3744909.75	43.01874	(81013108)
382943.50	3744909.75	47.63548	(81031008)	382979.09	3744909.75	52.72632	(81021908)
383014.72	3744909.75	60.16169	(81122608)	382551.78	3744932.50	21.96920	(81112608)
382587.38	3744932.50	23.43566	(81112608)	382623.00	3744932.50	25.00211	(81112608)
382658.63	3744932.50	26.66430	(81112608)	382694.22	3744932.50	28.38681	(81112608)
382729.84	3744932.50	30.18057	(81010709)	382765.44	3744932.50	31.90544	(81010709)
382801.06	3744932.50	33.36032	(81010709)	382836.66	3744932.50	35.27409	(81122509)
382872.28	3744932.50	40.27010	(81122509)	382907.88	3744932.50	45.14361	(81122509)
382943.50	3744932.50	50.15363	(81013108)	382979.09	3744932.50	56.39319	(81122609)
383014.72	3744932.50	64.39233	(81020608)	382551.78	3744955.25	21.56756	(81112608)
382587.38	3744955.25	23.13315	(81112608)	382623.00	3744955.25	24.83230	(81112608)
382658.63	3744955.25	26.70231	(81112608)	382694.22	3744955.25	28.76258	(81112608)
382729.84	3744955.25	31.00209	(81112608)	382765.44	3744955.25	33.34738	(81112608)
382801.06	3744955.25	35.82201	(81010709)	382836.66	3744955.25	38.09747	(81010709)
382872.28	3744955.25	40.04203	(81122509)	382907.88	3744955.25	46.51486	(81122509)
382943.50	3744955.25	52.88212	(81013008)	382979.09	3744955.25	59.80279	(81013108)
383014.72	3744955.25	68.57469	(81021908)	382551.78	3744978.00	22.28125	(81120408)
382587.38	3744978.00	23.04861	(81120408)	382623.00	3744978.00	24.42367	(81112608)
382658.63	3744978.00	26.37480	(81112608)	382694.22	3744978.00	28.58546	(81112608)
382729.84	3744978.00	31.12174	(81112608)	382765.44	3744978.00	34.00540	(81112608)
382801.06	3744978.00	37.20237	(81112608)	382836.66	3744978.00	40.62897	(81010709)
382872.28	3744978.00	44.15638	(81010709)	382907.88	3744978.00	47.32547	(81010709)
382943.50	3744978.00	55.09971	(81122509)	382979.09	3744978.00	63.81688	(81112108)

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**MODELOPTs: PAGE 135
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	74.42052	(81031008)	382551.78	3745000.75	23.84262	(81120408)
382587.38	3745000.75	24.86745	(81120408)	382623.00	3745000.75	25.97158	(81120408)
382658.63	3745000.75	27.16083	(81120408)	382694.22	3745000.75	28.44009	(81120408)
382729.84	3745000.75	30.71452	(81112608)	382765.44	3745000.75	33.80701	(81112608)
382801.06	3745000.75	37.50211	(81112608)	382836.66	3745000.75	41.83098	(81112608)
382872.28	3745000.75	46.72533	(81112608)	382907.88	3745000.75	52.09424	(81010709)
382943.50	3745000.75	57.56808	(81010709)	382551.78	3745023.25	25.01615	(81120408)
382587.38	3745023.25	26.28004	(81120408)	382623.00	3745023.25	27.67452	(81120408)
382658.63	3745023.25	29.22017	(81120408)	382694.22	3745023.25	30.93965	(81120408)
382729.84	3745023.25	32.86312	(81120408)	382765.44	3745023.25	35.01796	(81120408)
382801.06	3745023.25	37.44435	(81120408)	382836.66	3745023.25	41.66777	(81112608)
382872.28	3745023.25	47.53178	(81112608)	382907.88	3745023.25	54.61353	(81112608)
382551.78	3745046.00	25.72957	(81120408)	382587.38	3745046.00	27.18101	(81120408)
382623.00	3745046.00	28.80460	(81120408)	382658.63	3745046.00	30.63763	(81120408)
382694.22	3745046.00	32.72582	(81120408)	382728.88	3745037.50	34.33912	(81120408)
382764.50	3745037.50	36.90458	(81120408)	382800.09	3745037.50	39.86719	(81120408)
382835.72	3745037.50	43.32063	(81120408)	382871.31	3745037.50	47.37414	(81120408)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 136
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	29.56953	(81010709)	382587.38	3744750.75	30.29745	(81010709)
382623.00	3744750.75	30.59146	(81010709)	382658.63	3744750.75	32.48985	(81122509)
382694.22	3744750.75	38.63268	(81122509)	382729.84	3744750.75	44.66201	(81122509)
382765.44	3744750.75	49.86719	(81013008)	382801.06	3744750.75	55.14077	(81013108)
382836.66	3744750.75	61.60691	(81031008)	382872.28	3744750.75	70.16692	(81123108)
382907.88	3744750.75	80.02322	(81021908)	382943.50	3744750.75	91.70189	(81122608)
382979.09	3744750.75	99.39916	(81122808)	383014.72	3744750.75	114.05800	(81103008)
383050.31	3744750.75	121.34952	(81011008)	382551.78	3744773.50	30.65316	(81010709)
382587.38	3744773.50	32.23786	(81010709)	382623.00	3744773.50	33.61564	(81010709)
382658.63	3744773.50	34.48801	(81010709)	382694.22	3744773.50	35.85360	(81122509)
382729.84	3744773.50	42.94013	(81122509)	382765.44	3744773.50	50.01017	(81122509)
382801.06	3744773.50	56.38933	(81112208)	382836.66	3744773.50	63.57283	(81013108)
382872.28	3744773.50	72.55698	(81031008)	382907.88	3744773.50	81.51588	(81123108)
382943.50	3744773.50	97.11266	(81111008)	382979.09	3744773.50	112.43095	(81122808)
383014.72	3744773.50	128.91302	(81103008)	383050.31	3744773.50	138.02499	(81113008)
382551.78	3744796.25	30.78036	(81112608)	382587.38	3744796.25	32.94730	(81010709)
382623.00	3744796.25	35.29096	(81010709)	382658.63	3744796.25	37.35959	(81010709)
382694.22	3744796.25	38.96145	(81010709)	382729.84	3744796.25	39.91071	(81010709)
382765.44	3744796.25	48.16486	(81122509)	382801.06	3744796.25	56.71122	(81122509)
382836.66	3744796.25	64.72999	(81112108)	382872.28	3744796.25	74.34389	(81013108)
382907.88	3744796.25	86.84317	(81123108)	382943.50	3744796.25	102.31866	(81021908)
382979.09	3744796.25	122.72919	(81122808)	383014.72	3744796.25	144.00500	(81103008)
383050.31	3744796.25	159.13043	(81102808)	382551.78	3744819.00	30.03925	(81112608)
382587.38	3744819.00	32.76080	(81112608)	382623.00	3744819.00	35.64797	(81112608)
382658.63	3744819.00	38.63730	(81010709)	382694.22	3744819.00	41.53841	(81010709)
382729.84	3744819.00	44.15598	(81010709)	382765.44	3744819.00	46.21112	(81010709)
382801.06	3744819.00	54.68411	(81122509)	382836.66	3744819.00	65.19385	(81122509)
382872.28	3744819.00	75.73866	(81020408)	382907.88	3744819.00	88.79887	(81031008)
382943.50	3744819.00	105.60431	(81123108)	382979.09	3744819.00	131.96512	(81112008)
383014.72	3744819.00	157.98480	(81103008)	383050.31	3744819.00	186.81685	(81011709)
382551.78	3744841.75	28.40546	(81112608)	382587.38	3744841.75	31.53803	(81112608)
382623.00	3744841.75	34.95338	(81112608)	382658.63	3744841.75	38.54227	(81112608)
382694.22	3744841.75	42.24112	(81112608)	382729.84	3744841.75	46.22945	(81010709)
382765.44	3744841.75	50.14172	(81010709)	382801.06	3744841.75	53.83385	(81010709)
382836.66	3744841.75	63.02609	(81122509)	382872.28	3744841.75	76.45322	(81122509)
382907.88	3744841.75	90.84237	(81020408)	382943.50	3744841.75	110.94034	(81121908)
382979.09	3744841.75	138.90540	(81021908)	383014.72	3744841.75	183.58606	(81122808)
383050.31	3744841.75	223.64064	(81011709)	382551.78	3744864.50	26.13091	(81112608)
382587.38	3744864.50	29.43348	(81112608)	382623.00	3744864.50	33.10853	(81112608)
382658.63	3744864.50	37.14265	(81112608)	382694.22	3744864.50	41.54954	(81112608)

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**MODELOPTs: PAGE 137
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	46.32485	(81112608)	382765.44	3744864.50	51.51516	(81010709)
382801.06	3744864.50	57.20776	(81010709)	382836.66	3744864.50	63.17649	(81010709)
382872.28	3744864.50	73.97092	(81122509)	382907.88	3744864.50	91.92384	(81122509)
382943.50	3744864.50	113.93446	(81013108)	382979.09	3744864.50	145.93921	(81123108)
383014.72	3744864.50	205.75647	(81110908)	383050.31	3744864.50	274.92441	(81103008)
382551.78	3744887.00	27.87506	(81120408)	382587.38	3744887.00	29.28949	(81120408)
382623.00	3744887.00	30.83936	(81120408)	382658.63	3744887.00	34.65128	(81112608)
382694.22	3744887.00	39.39663	(81112608)	382729.84	3744887.00	44.76560	(81112608)
382765.44	3744887.00	50.81543	(81112608)	382801.06	3744887.00	57.63274	(81112608)
382836.66	3744887.00	65.52929	(81010709)	382872.28	3744887.00	74.67772	(81010709)
382907.88	3744887.00	88.97110	(81122509)	382943.50	3744887.00	114.54597	(81013008)
382979.09	3744887.00	151.29037	(81031008)	383014.72	3744887.00	221.36441	(81020608)
383050.31	3744887.00	173.16251	(81103008)	382551.78	3744909.75	29.82879	(81120408)
382587.38	3744909.75	31.65124	(81120408)	382623.00	3744909.75	33.68469	(81120408)
382658.63	3744909.75	35.97423	(81120408)	382694.22	3744909.75	38.58190	(81120408)
382729.84	3744909.75	41.70540	(81112608)	382765.44	3744909.75	48.18621	(81112608)
382801.06	3744909.75	55.80238	(81112608)	382836.66	3744909.75	64.79702	(81112608)
382872.28	3744909.75	75.64851	(81010709)	382907.88	3744909.75	89.40697	(81010709)
382943.50	3744909.75	110.77730	(81122509)	382979.09	3744909.75	150.92381	(81020408)
383014.72	3744909.75	184.57574	(81010709)	382551.78	3744932.50	30.62574	(81120408)
382587.38	3744932.50	32.72552	(81120408)	382623.00	3744932.50	35.09285	(81120408)
382658.63	3744932.50	37.78487	(81120408)	382694.22	3744932.50	40.87804	(81120408)
382729.84	3744932.50	44.48853	(81120408)	382765.44	3744932.50	48.77055	(81120408)
382801.06	3744932.50	53.97601	(81120408)	382836.66	3744932.50	61.53234	(81112608)
382872.28	3744932.50	73.44759	(81112608)	382907.88	3744932.50	88.66736	(81112608)
382943.50	3744932.50	109.54188	(81010709)	382979.09	3744932.50	145.87915	(81122509)

383014.72	3744932.50	180.60817 (81123108)		382551.78	3744955.25	30.31354 (81120408)
382587.38	3744955.25	32.54887 (81120408)		382623.00	3744955.25	35.08603 (81120408)
382658.63	3744955.25	37.99071 (81120408)		382694.22	3744955.25	41.34950 (81120408)
382729.84	3744955.25	45.29075 (81120408)		382765.44	3744955.25	49.98005 (81120408)
382801.06	3744955.25	55.67987 (81120408)		382836.66	3744955.25	62.77445 (81120408)
382872.28	3744955.25	71.93027 (81120408)		382907.88	3744955.25	84.45662 (81112608)
382943.50	3744955.25	106.61204 (81112608)		382979.09	3744955.25	140.05089 (81010709)
383014.72	3744955.25	191.72369 (81013108)		382551.78	3744978.00	29.06079 (81120408)
382587.38	3744978.00	31.30169 (81120408)		382623.00	3744978.00	33.85583 (81120408)
382658.63	3744978.00	36.79394 (81120408)		382694.22	3744978.00	40.20971 (81120408)
382729.84	3744978.00	44.24115 (81120408)		382765.44	3744978.00	49.06583 (81120408)
382801.06	3744978.00	54.95993 (81120408)		382836.66	3744978.00	62.31823 (81120408)
382872.28	3744978.00	71.80604 (81120408)		382907.88	3744978.00	84.54183 (81120408)
382943.50	3744978.00	102.74793 (81120408)		382979.09	3744978.00	131.28580 (81120408)

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**MODELOPTs: PAGE 138
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
383014.72	3744978.00	185.10776 (81010709)		382551.78	3745000.75	27.10520 (81120408)
382587.38	3745000.75	29.25001 (81120408)		382623.00	3745000.75	31.69812 (81120408)
382658.63	3745000.75	34.52008 (81120408)		382694.22	3745000.75	37.81061 (81120408)
382729.84	3745000.75	41.71062 (81120408)		382765.44	3745000.75	46.40447 (81120408)
382801.06	3745000.75	52.17986 (81120408)		382836.66	3745000.75	59.44970 (81120408)
382872.28	3745000.75	68.90109 (81120408)		382907.88	3745000.75	81.66356 (81120408)
382943.50	3745000.75	99.90146 (81120408)		382551.78	3745023.25	24.72752 (81120408)
382587.38	3745023.25	26.71410 (81120408)		382623.00	3745023.25	28.97878 (81120408)
382658.63	3745023.25	31.58592 (81120408)		382694.22	3745023.25	34.62272 (81120408)
382729.84	3745023.25	38.22039 (81120408)		382765.44	3745023.25	42.55318 (81120408)
382801.06	3745023.25	47.89657 (81120408)		382836.66	3745023.25	54.65245 (81120408)
382872.28	3745023.25	63.49525 (81120408)		382907.88	3745023.25	75.75499 (81102008)
382551.78	3745046.00	22.09425 (81120408)		382587.38	3745046.00	23.89380 (81120408)
382623.00	3745046.00	25.93994 (81120408)		382658.63	3745046.00	28.28707 (81120408)
382694.22	3745046.00	31.00848 (81120408)		382728.88	3745037.50	35.63673 (81120408)
382764.50	3745037.50	39.64818 (81120408)		382800.09	3745037.50	44.56828 (81120408)
382835.72	3745037.50	53.43536 (81102008)		382871.31	3745037.50	63.96329 (81102008)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 139
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
382551.78	3744750.75	151.00668 (81010709)		382587.38	3744750.75	152.33807 (81010709)
382623.00	3744750.75	161.39346 (81122509)		382658.63	3744750.75	182.61815 (81122509)
382694.22	3744750.75	203.56984 (81122509)		382729.84	3744750.75	222.12961 (81122509)
382765.44	3744750.75	240.22781 (81020408)		382801.06	3744750.75	262.09900 (81013108)
382836.66	3744750.75	288.59314 (81031008)		382872.28	3744750.75	315.28555 (81123108)
382907.88	3744750.75	357.57010 (81021908)		382943.50	3744750.75	401.87131 (81110908)
382979.09	3744750.75	427.52625 (81122808)		383014.72	3744750.75	489.64771 (81103008)
383050.31	3744750.75	522.28741 (81113008)		382551.78	3744773.50	159.04439 (81010709)
382587.38	3744773.50	163.06236 (81010709)		382623.00	3744773.50	166.35062 (81010709)
382658.63	3744773.50	174.49451 (81122509)		382694.22	3744773.50	198.52379 (81122509)
382729.84	3744773.50	222.34964 (81122509)		382765.44	3744773.50	243.78105 (81013008)
382801.06	3744773.50	265.82303 (81020408)		382836.66	3744773.50	292.77063 (81013108)
382872.28	3744773.50	328.91086 (81123108)		382907.88	3744773.50	367.22681 (81021908)
382943.50	3744773.50	421.54642 (81112008)		382979.09	3744773.50	475.32498 (81122808)
383014.72	3744773.50	540.36713 (81103008)		383050.31	3744773.50	578.90100 (81122908)
382551.78	3744796.25	163.88307 (81010709)		382587.38	3744796.25	170.58319 (81010709)
382623.00	3744796.25	177.02425 (81010709)		382658.63	3744796.25	182.27110 (81010709)
382694.22	3744796.25	189.64378 (81122509)		382729.84	3744796.25	217.17143 (81122509)
382765.44	3744796.25	244.74680 (81122509)		382801.06	3744796.25	270.35101 (81112208)
382836.66	3744796.25	299.24774 (81013108)		382872.28	3744796.25	335.66876 (81031008)
382907.88	3744796.25	379.79694 (81123108)		382943.50	3744796.25	440.08099 (81020608)
382979.09	3744796.25	514.63745 (81122808)		383014.72	3744796.25	590.89740 (81103008)
383050.31	3744796.25	649.07263 (81102808)		382551.78	3744819.00	165.62721 (81112608)
382587.38	3744819.00	174.66370 (81010709)		382623.00	3744819.00	184.00868 (81010709)
382658.63	3744819.00	192.67249 (81010709)		382694.22	3744819.00	200.28157 (81010709)
382729.84	3744819.00	207.57115 (81122509)		382765.44	3744819.00	239.54109 (81122509)
382801.06	3744819.00	272.09467 (81122509)		382836.66	3744819.00	303.73276 (81112208)
382872.28	3744819.00	342.34573 (81013108)		382907.88	3744819.00	392.62598 (81121908)
382943.50	3744819.00	453.59152 (81021908)		382979.09	3744819.00	545.52765 (81122608)
383014.72	3744819.00	636.88074 (81103008)		383050.31	3744819.00	737.71057 (81011709)
382551.78	3744841.75	164.92641 (81112608)		382587.38	3744841.75	175.81505 (81112608)
382623.00	3744841.75	187.04208 (81010709)		382658.63	3744841.75	198.75040 (81010709)
382694.22	3744841.75	210.06490 (81010709)		382729.84	3744841.75	220.87210 (81010709)
382765.44	3744841.75	230.99065 (81010709)		382801.06	3744841.75	266.81747 (81122509)
382836.66	3744841.75	306.17419 (81122509)		382872.28	3744841.75	346.91928 (81020408)
382907.88	3744841.75	398.46344 (81013108)		382943.50	3744841.75	470.10980 (81123108)
382979.09	3744841.75	570.07886 (81020608)		383014.72	3744841.75	713.06812 (81122808)
383050.31	3744841.75	848.00842 (81011709)		382551.78	3744864.50	161.22926 (81112608)
382587.38	3744864.50	173.87560 (81112608)		382623.00	3744864.50	187.11638 (81112608)
382658.63	3744864.50	200.70346 (81112608)		382694.22	3744864.50	215.01706 (81010709)

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*** *** 14:35:53
**MODELOPTs: PAGE 140
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
382729.84	3744864.50	229.79176 (81010709)		382765.44	3744864.50	244.63815 (81010709)
382801.06	3744864.50	259.73312 (81010709)		382836.66	3744864.50	300.76819 (81122509)
382872.28	3744864.50	349.52774 (81122509)		382907.88	3744864.50	404.03540 (81020408)
382943.50	3744864.50	482.74359 (81031008)		382979.09	3744864.50	593.44586 (81021908)
383014.72	3744864.50	786.53900 (81122808)		383050.31	3744864.50	1001.28363 (81103008)
382551.78	3744887.00	155.03021 (81112608)		382587.38	3744887.00	168.76033 (81112608)
382623.00	3744887.00	183.52838 (81112608)		382658.63	3744887.00	199.26501 (81112608)
382694.22	3744887.00	215.85703 (81112608)		382729.84	3744887.00	233.37868 (81010709)
382765.44	3744887.00	252.40659 (81010709)		382801.06	3744887.00	272.40244 (81010709)
382836.66	3744887.00	293.91553 (81010709)		382872.28	3744887.00	344.14389 (81122509)
382907.88	3744887.00	406.60748 (81122509)		382943.50	3744887.00	487.56226 (81013108)
382979.09	3744887.00	612.92438 (81123108)		383014.72	3744887.00	836.56714 (81112008)
383050.31	3744887.00	739.27802 (81103008)		382551.78	3744909.75	155.13321 (81120408)
382587.38	3744909.75	161.69142 (81120408)		382623.00	3744909.75	176.66617 (81112608)
382658.63	3744909.75	193.84537 (81112608)		382694.22	3744909.75	212.56570 (81112608)
382729.84	3744909.75	232.85397 (81112608)		382765.44	3744909.75	254.68987 (81112608)
382801.06	3744909.75	278.99164 (81010709)		382836.66	3744909.75	305.79034 (81010709)
382872.28	3744909.75	336.17813 (81010709)		382907.88	3744909.75	401.27509 (81122509)
382943.50	3744909.75	486.87622 (81112208)		382979.09	3744909.75	615.16754 (81031008)
383014.72	3744909.75	696.79138 (81111008)		382551.78	3744932.50	163.73605 (81120408)
382587.38	3744932.50	171.39098 (81120408)		382623.00	3744932.50	179.86786 (81120408)
382658.63	3744932.50	189.35951 (81120408)		382694.22	3744932.50	205.10219 (81112608)
382729.84	3744932.50	227.42593 (81112608)		382765.44	3744932.50	252.24500 (81112608)
382801.06	3744932.50	279.83374 (81112608)		382836.66	3744932.50	311.02716 (81010709)
382872.28	3744932.50	347.32831 (81010709)		382907.88	3744932.50	390.58246 (81010709)
382943.50	3744932.50	481.05560 (81122509)		382979.09	3744932.50	610.51788 (81020408)
383014.72	3744932.50	749.96259 (81021908)		382551.78	3744955.25	169.59453 (81120408)
382587.38	3744955.25	178.23479 (81120408)		382623.00	3744955.25	187.78957 (81120408)
382658.63	3744955.25	198.44708 (81120408)		382694.22	3744955.25	210.46442 (81120408)
382729.84	3744955.25	224.24094 (81120408)		382765.44	3744955.25	244.25546 (81112608)
382801.06	3744955.25	274.84329 (81112608)		382836.66	3744955.25	309.97348 (81112608)
382872.28	3744955.25	350.91895 (81010709)		382907.88	3744955.25	401.19904 (81010709)
382943.50	3744955.25	465.12659 (81010709)		382979.09	3744955.25	588.48236 (81122509)
383014.72	3744955.25	791.35474 (81031008)		382551.78	3744978.00	172.61212 (81120408)
382587.38	3744978.00	182.12479 (81120408)		382623.00	3744978.00	192.67012 (81120408)
382658.63	3744978.00	204.44218 (81120408)		382694.22	3744978.00	217.69775 (81120408)
382729.84	3744978.00	232.83061 (81120408)		382765.44	3744978.00	250.34175 (81120408)
382801.06	3744978.00	271.04111 (81120408)		382836.66	3744978.00	301.67191 (81112608)
382872.28	3744978.00	347.11136 (81112608)		382907.88	3744978.00	402.60556 (81112608)
382943.50	3744978.00	474.67761 (81010709)		382979.09	3744978.00	574.35492 (81122509)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 141
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
383014.72	3744978.00	712.98163 (81010709)		382551.78	3745000.75	172.74498 (81120408)
382587.38	3745000.75	182.95844 (81120408)		382623.00	3745000.75	194.34290 (81120408)
382658.63	3745000.75	207.11797 (81120408)		382694.22	3745000.75	221.56613 (81120408)
382729.84	3745000.75	238.10886 (81120408)		382765.44	3745000.75	257.26767 (81120408)
382801.06	3745000.75	279.87494 (81120408)		382836.66	3745000.75	307.09830 (81120408)
382872.28	3745000.75	340.92609 (81120408)		382907.88	3745000.75	394.12622 (81112608)
382943.50	3745000.75	471.05847 (81112608)		382551.78	3745023.25	170.11992 (81120408)
382587.38	3745023.25	180.77892 (81120408)		382623.00	3745023.25	192.73013 (81120408)
382658.63	3745023.25	206.23096 (81120408)		382694.22	3745023.25	221.60916 (81120408)
382729.84	3745023.25	239.34204 (81120408)		382765.44	3745023.25	260.01041 (81120408)
382801.06	3745023.25	284.51794 (81120408)		382836.66	3745023.25	314.08966 (81120408)
382872.28	3745023.25	350.83945 (81120408)		382907.88	3745023.25	398.02725 (81120408)
382551.78	3745046.00	164.95671 (81120408)		382587.38	3745046.00	175.77774 (81120408)
382623.00	3745046.00	187.95645 (81120408)		382658.63	3745046.00	201.78447 (81120408)
382694.22	3745046.00	217.63622 (81120408)		382728.88	3745037.50	237.28189 (81120408)
382764.50	3745037.50	258.56888 (81120408)		382800.09	3745037.50	283.87399 (81120408)
382835.72	3745037.50	314.57846 (81120408)		382871.31	3745037.50	352.66776 (81120408)

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*** *** 14:35:53
**MODELOPTs: PAGE 142
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)		X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
382551.78	3744750.75	18.89860 (81122509)		382587.38	3744750.75	20.32815 (81122509)
382623.00	3744750.75	21.70455 (81122509)		382658.63	3744750.75	22.90068 (81122509)
382694.22	3744750.75	24.00130 (81020408)		382729.84	3744750.75	25.18835 (81013108)
382765.44	3744750.75	26.34148 (81013108)		382801.06	3744750.75	28.08680 (81122609)
382836.66	3744750.75	29.42660 (81123108)		382872.28	3744750.75	31.78959 (81021908)
382907.88	3744750.75	34.04407 (81112008)		382943.50	3744750.75	36.61346 (81122808)
382979.09	3744750.75	38.54350 (81103008)		383014.72	3744750.75	42.70769 (81103008)
383050.31	3744750.75	46.49188 (81102808)		382551.78	3744773.50	18.49616 (81122509)
382587.38	3744773.50	20.05739 (81122509)		382623.00	3744773.50	21.66886 (81122509)
382658.63	3744773.50	23.21601 (81122509)		382694.22	3744773.50	24.54621 (81013008)
382729.84	3744773.50	25.82282 (81020408)		382765.44	3744773.50	27.26425 (81013108)
382801.06	3744773.50	28.81803 (81031008)		382836.66	3744773.50	30.73009 (81123108)
382872.28	3744773.50	32.51773 (81021908)		382907.88	3744773.50	35.28542 (81111008)
382943.50	3744773.50	38.08429 (81110908)		382979.09	3744773.50	40.24504 (81122808)
383014.72	3744773.50	45.20680 (81103008)		383050.31	3744773.50	49.27838 (81011709)
382551.78	3744796.25	19.38231 (81010709)		382587.38	3744796.25	19.64163 (81122509)
382623.00	3744796.25	21.39934 (81122509)		382658.63	3744796.25	23.20724 (81122509)
382694.22	3744796.25	24.95898 (81122509)		382729.84	3744796.25	26.47235 (81013008)
382765.44	3744796.25	27.94825 (81020408)		382801.06	3744796.25	29.69458 (81013108)
382836.66	3744796.25	31.71548 (81031008)		382872.28	3744796.25	33.71360 (81123108)
382907.88	3744796.25	36.64379 (81021908)		382943.50	3744796.25	39.69133 (81122608)
382979.09	3744796.25	43.08692 (81122808)		383014.72	3744796.25	47.64738 (81103008)
383050.31	3744796.25	52.42578 (81011709)		382551.78	3744819.00	20.55843 (81010709)
382587.38	3744819.00	20.81638 (81010709)		382623.00	3744819.00	20.97346 (81122509)

382658.63 3744819.00 22.92890 (81122509) 382694.22 3744819.00 24.98543 (81122509)
382729.84 3744819.00 27.00807 (81122509) 382765.44 3744819.00 28.75112 (81013008)
382801.06 3744819.00 30.48116 (81013108) 382836.66 3744819.00 32.53563 (81013108)
382872.28 3744819.00 35.19072 (81122609) 382907.88 3744819.00 37.64359 (81021908)
382943.50 3744819.00 41.40973 (81111008) 382979.09 3744819.00 45.58647 (81122808)
383014.72 3744819.00 49.92719 (81103008) 383050.31 3744819.00 55.78376 (81011709)
382551.78 3744841.75 21.51141 (81010709) 382587.38 3744841.75 22.08769 (81010709)
382623.00 3744841.75 22.52056 (81010709) 382658.63 3744841.75 22.75976 (81010709)
382694.22 3744841.75 24.68817 (81122509) 382729.84 3744841.75 27.08020 (81122509)
382765.44 3744841.75 29.44442 (81122509) 382801.06 3744841.75 31.52647 (81112208)
382836.66 3744841.75 33.76976 (81013108) 382872.28 3744841.75 36.37342 (81031008)
382907.88 3744841.75 39.42811 (81123108) 382943.50 3744841.75 43.29010 (81021908)
382979.09 3744841.75 47.77790 (81110908) 383014.72 3744841.75 52.12591 (81122808)
383050.31 3744841.75 59.75993 (81103008) 382551.78 3744864.50 22.14993 (81010709)
382587.38 3744864.50 23.05658 (81010709) 382623.00 3744864.50 23.85511 (81010709)
382658.63 3744864.50 24.48650 (81010709) 382694.22 3744864.50 24.89756 (81010709)
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**MODELOPTs: PAGE 143
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 26.75809 (81122509) 382765.44 3744864.50 29.58561 (81122509)
382801.06 3744864.50 32.40090 (81122509) 382836.66 3744864.50 34.92034 (81112108)
382872.28 3744864.50 37.77546 (81013108) 382907.88 3744864.50 41.17932 (81121908)
382943.50 3744864.50 44.76995 (81021908) 382979.09 3744864.50 50.35259 (81112008)
383014.72 3744864.50 56.73732 (81122808) 383050.31 3744864.50 65.04749 (81103008)
382551.78 3744887.00 22.52295 (81112608) 382587.38 3744887.00 23.64198 (81112608)
382623.00 3744887.00 24.79077 (81010709) 382658.63 3744887.00 25.86699 (81010709)
382694.22 3744887.00 26.77672 (81010709) 382729.84 3744887.00 27.43981 (81010709)
382765.44 3744887.00 29.23849 (81122509) 382801.06 3744887.00 32.64641 (81122509)
382836.66 3744887.00 36.03837 (81122509) 382872.28 3744887.00 39.16171 (81020408)
382907.88 3744887.00 42.71307 (81013108) 382943.50 3744887.00 47.33220 (81123108)
382979.09 3744887.00 53.07829 (81021908) 383014.72 3744887.00 60.26787 (81122608)
383050.31 3744887.00 67.50150 (81103008) 382551.78 3744909.75 22.57846 (81112608)
382587.38 3744909.75 23.94189 (81112608) 382623.00 3744909.75 25.34349 (81112608)
382658.63 3744909.75 26.76051 (81010709) 382694.22 3744909.75 28.20886 (81010709)
382729.84 3744909.75 29.51525 (81010709) 382765.44 3744909.75 30.55954 (81010709)
382801.06 3744909.75 32.26640 (81122509) 382836.66 3744909.75 36.45796 (81122509)
382872.28 3744909.75 40.64442 (81122509) 382907.88 3744909.75 44.57807 (81020408)
382943.50 3744909.75 49.54856 (81031008) 382979.09 3744909.75 55.25368 (81021908)
383014.72 3744909.75 63.41425 (81122608) 382551.78 3744932.50 22.33350 (81112608)
382587.38 3744932.50 23.85883 (81112608) 382623.00 3744932.50 25.49350 (81112608)
382658.63 3744932.50 27.23507 (81112608) 382694.22 3744932.50 29.05049 (81112608)
382729.84 3744932.50 30.93598 (81010709) 382765.44 3744932.50 32.79332 (81010709)
382801.06 3744932.50 34.40882 (81010709) 382836.66 3744932.50 36.05407 (81122509)
382872.28 3744932.50 41.33984 (81122509) 382907.88 3744932.50 46.62212 (81122509)
382943.50 3744932.50 52.01212 (81013108) 382979.09 3744932.50 58.85323 (81122609)
383014.72 3744932.50 67.91103 (81020608) 382551.78 3744955.25 21.87404 (81112608)
382587.38 3744955.25 23.49280 (81112608) 382623.00 3744955.25 25.25404 (81112608)
382658.63 3744955.25 27.19678 (81112608) 382694.22 3744955.25 29.34276 (81112608)
382729.84 3744955.25 31.68455 (81112608) 382765.44 3744955.25 34.15344 (81112608)
382801.06 3744955.25 36.76214 (81010709) 382836.66 3744955.25 39.22998 (81010709)
382872.28 3744955.25 41.29594 (81010709) 382907.88 3744955.25 47.78196 (81122509)
382943.50 3744955.25 54.66485 (81013008) 382979.09 3744955.25 62.25637 (81013108)
383014.72 3744955.25 72.19798 (81123108) 382551.78 3744978.00 22.87941 (81120408)
382587.38 3744978.00 23.69255 (81120408) 382623.00 3744978.00 24.77835 (81112608)
382658.63 3744978.00 26.79496 (81112608) 382694.22 3744978.00 29.08314 (81112608)
382729.84 3744978.00 31.71211 (81112608) 382765.44 3744978.00 34.70804 (81112608)
382801.06 3744978.00 38.04406 (81112608) 382836.66 3744978.00 41.62831 (81010709)
382872.28 3744978.00 45.38831 (81010709) 382907.88 3744978.00 48.87382 (81010709)
382943.50 3744978.00 56.64473 (81122509) 382979.09 3744978.00 66.09900 (81112208)
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**MODELOPTs: PAGE 144
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

383014.72 3744978.00 76.95390 (81031008) 382551.78 3745000.75 24.40056 (81120408)
382587.38 3745000.75 25.46922 (81120408) 382623.00 3745000.75 26.62330 (81120408)
382658.63 3745000.75 27.87005 (81120408) 382694.22 3745000.75 29.21625 (81120408)
382729.84 3745000.75 31.21653 (81112608) 382765.44 3745000.75 34.40950 (81112608)
382801.06 3745000.75 38.22839 (81112608) 382836.66 3745000.75 42.71376 (81112608)
382872.28 3745000.75 47.81405 (81112608) 382907.88 3745000.75 53.44798 (81010709)
382943.50 3745000.75 59.33313 (81010709) 382551.78 3745023.25 25.52517 (81120408)
382587.38 3745023.25 26.82966 (81120408) 382623.00 3745023.25 28.27037 (81120408)
382658.63 3745023.25 29.86917 (81120408) 382694.22 3745023.25 31.65045 (81120408)
382729.84 3745023.25 33.64698 (81120408) 382765.44 3745023.25 35.88961 (81120408)
382801.06 3745023.25 38.42395 (81120408) 382836.66 3745023.25 42.42528 (81112608)
382872.28 3745023.25 48.46752 (81112608) 382907.88 3745023.25 55.79142 (81112608)
382551.78 3745046.00 26.18440 (81120408) 382587.38 3745046.00 27.67263 (81120408)
382623.00 3745046.00 29.33800 (81120408) 382658.63 3745046.00 31.21890 (81120408)
382694.22 3745046.00 33.36248 (81120408) 382728.88 3745037.50 35.07008 (81120408)
382764.50 3745037.50 37.71684 (81120408) 382800.09 3745037.50 40.77889 (81120408)
382835.72 3745037.50 44.35744 (81120408) 382871.31 3745037.50 48.57331 (81120408)
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 145
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382551.78 3744750.75 4.28706 (81110308) 382587.38 3744750.75 4.48158 (81123108)
382623.00 3744750.75 4.80319 (81021908) 382658.63 3744750.75 5.15267 (81111008)
382694.22 3744750.75 5.48570 (81122808) 382729.84 3744750.75 5.63277 (81122808)
382765.44 3744750.75 6.16534 (81103008) 382801.06 3744750.75 6.44905 (81011709)
382836.66 3744750.75 6.92206 (81122908) 382872.28 3744750.75 7.25504 (81122909)
382907.88 3744750.75 7.55871 (81101808) 382943.50 3744750.75 7.82309 (81010909)
382979.09 3744750.75 8.00226 (81011808) 383014.72 3744750.75 8.23168 (81102208)
383050.31 3744750.75 8.35729 (81120308) 382551.78 3744773.50 4.36336 (81031008)
382587.38 3744773.50 4.66323 (81123108) 382623.00 3744773.50 4.84778 (81021908)
382658.63 3744773.50 5.35100 (81020608) 382694.22 3744773.50 5.73748 (81122608)
382729.84 3744773.50 6.04455 (81122808) 382765.44 3744773.50 6.41015 (81103008)
382801.06 3744773.50 6.80299 (81103008) 382836.66 3744773.50 7.34710 (81102808)
382872.28 3744773.50 7.73866 (81122909) 382907.88 3744773.50 8.06304 (81101808)
382943.50 3744773.50 8.34387 (81010909) 382979.09 3744773.50 8.59319 (81011808)
383014.72 3744773.50 8.83784 (81102208) 383050.31 3744773.50 8.94211 (81120308)
382551.78 3744796.25 4.51906 (81013108) 382587.38 3744796.25 4.79567 (81031008)
382623.00 3744796.25 5.13022 (81123108) 382658.63 3744796.25 5.55191 (81021908)
382694.22 3744796.25 5.98921 (81112008) 382729.84 3744796.25 6.42197 (81122808)
382765.44 3744796.25 6.62398 (81103008) 382801.06 3744796.25 7.30498 (81103008)
382836.66 3744796.25 7.83351 (81102808) 382872.28 3744796.25 8.28647 (81122909)
382907.88 3744796.25 8.68362 (81101808) 382943.50 3744796.25 8.95644 (81010909)
382979.09 3744796.25 9.27962 (81011808) 383014.72 3744796.25 9.42669 (81010109)
383050.31 3744796.25 9.58825 (81120308) 382551.78 3744819.00 4.61886 (81020408)
382587.38 3744819.00 4.91639 (81013108) 382623.00 3744819.00 5.35240 (81122609)
382658.63 3744819.00 5.64023 (81021908) 382694.22 3744819.00 6.26606 (81020608)
382729.84 3744819.00 6.76582 (81110908) 382765.44 3744819.00 6.98641 (81122808)
382801.06 3744819.00 7.81668 (81103008) 382836.66 3744819.00 8.36732 (81011709)
382872.28 3744819.00 8.89839 (81122909) 382907.88 3744819.00 9.38556 (81101808)
382943.50 3744819.00 9.66156 (81010909) 382979.09 3744819.00 10.02314 (81011808)
383014.72 3744819.00 10.31033 (81010109) 383050.31 3744819.00 9.77646 (81120308)
382551.78 3744841.75 4.76570 (81112208) 382587.38 3744841.75 5.11042 (81013108)
382623.00 3744841.75 5.53142 (81031008) 382658.63 3744841.75 6.01649 (81123108)
382694.22 3744841.75 6.55214 (81021908) 382729.84 3744841.75 7.12623 (81122608)
382765.44 3744841.75 7.61950 (81122808) 382801.06 3744841.75 8.35372 (81103008)
382836.66 3744841.75 9.01398 (81011709) 382872.28 3744841.75 9.62441 (81122909)
382907.88 3744841.75 10.20645 (81101808) 382943.50 3744841.75 10.54248 (81010909)
382979.09 3744841.75 10.81744 (81011808) 383014.72 3744841.75 11.30441 (81120308)
383050.31 3744841.75 10.62261 (81101708) 382551.78 3744864.50 4.88084 (81122509)
382587.38 3744864.50 5.29971 (81112108) 382623.00 3744864.50 5.77216 (81013108)
382658.63 3744864.50 6.29527 (81121908) 382694.22 3744864.50 6.71018 (81021908)
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 146
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 7.53034 (81111008) 382765.44 3744864.50 8.23038 (81122808)
382801.06 3744864.50 8.88743 (81103008) 382836.66 3744864.50 9.71534 (81011709)
382872.28 3744864.50 10.49486 (81103108) 382907.88 3744864.50 11.23225 (81101808)
382943.50 3744864.50 11.72488 (81112908) 382979.09 3744864.50 12.04717 (81010908)
383014.72 3744864.50 12.41920 (81120308) 383050.31 3744864.50 12.21947 (81101708)
382551.78 3744887.00 4.84742 (81122509) 382587.38 3744887.00 5.49811 (81122509)
382623.00 3744887.00 6.02136 (81020408) 382658.63 3744887.00 6.57325 (81013108)
382694.22 3744887.00 7.27560 (81123108) 382729.84 3744887.00 8.05040 (81021908)
382765.44 3744887.00 8.87836 (81110908) 382801.06 3744887.00 9.48487 (81103008)
382836.66 3744887.00 10.57283 (81011709) 382872.28 3744887.00 11.59399 (81103108)
382907.88 3744887.00 12.48689 (81101808) 382943.50 3744887.00 13.05336 (81112908)
382979.09 3744887.00 12.83751 (81102208) 383014.72 3744887.00 12.72673 (81010908)
383050.31 3744887.00 12.19292 (81120308) 382551.78 3744909.75 4.61574 (81122509)
382587.38 3744909.75 5.50546 (81122509) 382623.00 3744909.75 6.27944 (81122509)
382658.63 3744909.75 6.91390 (81013108) 382694.22 3744909.75 7.71663 (81031008)
382729.84 3744909.75 8.44049 (81123108) 382765.44 3744909.75 9.63570 (81112008)
382801.06 3744909.75 10.55876 (81122808) 382836.66 3744909.75 11.76580 (81103008)
382872.28 3744909.75 12.92312 (81103108) 382907.88 3744909.75 14.10823 (81101808)
382943.50 3744909.75 14.91268 (81112908) 382979.09 3744909.75 14.47859 (81010109)
383014.72 3744909.75 13.05305 (81101708) 382551.78 3744932.50 5.01527 (81010709)
382587.38 3744932.50 5.20726 (81122509) 382623.00 3744932.50 6.30075 (81122509)
382658.63 3744932.50 7.23116 (81013008) 382694.22 3744932.50 8.10669 (81013108)
382729.84 3744932.50 9.13959 (81123108) 382765.44 3744932.50 10.33316 (81021908)
382801.06 3744932.50 11.65482 (81122808) 382836.66 3744932.50 12.95324 (81103008)
382872.28 3744932.50 14.46343 (81011008) 382907.88 3744932.50 15.64487 (81012508)
382943.50 3744932.50 13.18320 (81011808) 382979.09 3744932.50 11.64085 (81120308)
383014.72 3744932.50 15.07141 (81101708) 382551.78 3744955.25 5.42464 (81010709)
382587.38 3744955.25 5.74351 (81010709) 382623.00 3744955.25 5.96524 (81122509)
382658.63 3744955.25 7.34488 (81122509) 382694.22 3744955.25 8.50138 (81112208)
382729.84 3744955.25 9.63841 (81013108) 382765.44 3744955.25 10.94862 (81123108)
382801.06 3744955.25 12.66254 (81122608) 382836.66 3744955.25 14.28585 (81103008)
382872.28 3744955.25 15.23335 (81103008) 382907.88 3744955.25 15.61748 (81011108)
382943.50 3744955.25 14.88546 (81011808) 382979.09 3744955.25 12.66057 (81120308)
383014.72 3744955.25 11.22088 (81101708) 382551.78 3744978.00 5.56920 (81112608)
382587.38 3744978.00 6.14835 (81010709) 382623.00 3744978.00 6.65973 (81010709)
382658.63 3744978.00 6.99281 (81010709) 382694.22 3744978.00 8.75901 (81122509)
382729.84 3744978.00 10.27620 (81020408) 382765.44 3744978.00 11.95914 (81121908)
382801.06 3744978.00 13.75081 (81020608) 382836.66 3744978.00 15.89509 (81122808)
382872.28 3744978.00 17.60157 (81122908) 382907.88 3744978.00 18.16795 (81011108)
382943.50 3744978.00 17.02331 (81010908) 382979.09 3744978.00 13.76368 (81120308)
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 147
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,

L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	12.00185	(81101708)	382551.78	3745000.75	5.42666	(81112608)
382587.38	3745000.75	6.24569	(81112608)	382623.00	3745000.75	7.08479	(81112608)
382658.63	3745000.75	7.87934	(81010709)	382694.22	3745000.75	8.50477	(81010709)
382729.84	3745000.75	10.77880	(81122509)	382765.44	3745000.75	12.80519	(81013108)
382801.06	3745000.75	15.04733	(81123108)	382836.66	3745000.75	18.00982	(81122808)
382872.28	3745000.75	14.94115	(81102808)	382907.88	3745000.75	15.51906	(81011108)
382943.50	3745000.75	15.04254	(81010908)	382551.78	3745023.25	5.24420	(81120408)
382587.38	3745023.25	5.89221	(81112608)	382623.00	3745023.25	7.01859	(81112608)
382658.63	3745023.25	8.28025	(81112608)	382694.22	3745023.25	9.53841	(81010709)
382729.84	3745023.25	10.73312	(81010709)	382765.44	3745023.25	13.63872	(81122509)
382801.06	3745023.25	16.88412	(81031008)	382836.66	3745023.25	15.76599	(81110908)
382872.28	3745023.25	17.57124	(81011709)	382907.88	3745023.25	18.34509	(81011108)
382551.78	3745046.00	5.79393	(81120408)	382587.38	3745046.00	6.32217	(81120408)
382623.00	3745046.00	6.91621	(81120408)	382658.63	3745046.00	7.88964	(81112608)
382694.22	3745046.00	9.79984	(81112608)	382728.88	3745037.50	11.54510	(81010709)
382764.50	3745037.50	13.68506	(81122509)	382800.09	3745037.50	18.03433	(81020408)
382835.72	3745037.50	17.44083	(81111008)	382871.31	3745037.50	19.67289	(81011709)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 148
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	10.08006	(81112208)	382587.38	3744750.75	10.61337	(81013108)
382623.00	3744750.75	11.23615	(81013108)	382658.63	3744750.75	12.04050	(81121908)
382694.22	3744750.75	12.68123	(81123108)	382729.84	3744750.75	13.76994	(81021908)
382765.44	3744750.75	14.78652	(81122608)	382801.06	3744750.75	15.79734	(81122808)
382836.66	3744750.75	17.17290	(81103008)	382872.28	3744750.75	18.52718	(81011709)
382907.88	3744750.75	20.15651	(81011008)	382943.50	3744750.75	21.53310	(81012508)
382979.09	3744750.75	22.94538	(81031508)	383014.72	3744750.75	23.97427	(81112908)
383050.31	3744750.75	24.58998	(81010908)	382551.78	3744773.50	10.29679	(81122509)
382587.38	3744773.50	10.89177	(81112108)	382623.00	3744773.50	11.59615	(81013108)
382658.63	3744773.50	12.33570	(81031008)	382694.22	3744773.50	13.28405	(81123108)
382729.84	3744773.50	14.15826	(81021908)	382765.44	3744773.50	15.37535	(81111008)
382801.06	3744773.50	16.67489	(81122808)	382836.66	3744773.50	17.83719	(81103008)
382872.28	3744773.50	19.45775	(81103008)	382907.88	3744773.50	21.52031	(81113008)
382943.50	3744773.50	23.18301	(81012508)	382979.09	3744773.50	24.87176	(81031508)
383014.72	3744773.50	26.05499	(81112908)	383050.31	3744773.50	26.82969	(81102208)
382551.78	3744796.25	10.35870	(81122509)	382587.38	3744796.25	11.14170	(81122509)
382623.00	3744796.25	11.91628	(81010708)	382658.63	3744796.25	12.77354	(81013108)
382694.22	3744796.25	13.71185	(81031008)	382729.84	3744796.25	14.73287	(81123108)
382765.44	3744796.25	16.02488	(81021908)	382801.06	3744796.25	17.45436	(81110908)
382836.66	3744796.25	18.61478	(81122808)	382872.28	3744796.25	20.92564	(81103008)
382907.88	3744796.25	23.11235	(81122908)	382943.50	3744796.25	25.08275	(81012508)
382979.09	3744796.25	27.09965	(81031508)	383014.72	3744796.25	28.43704	(81112908)
383050.31	3744796.25	29.31126	(81102208)	382551.78	3744819.00	10.22966	(81122509)
382587.38	3744819.00	11.23039	(81122509)	382623.00	3744819.00	12.23693	(81122509)
382658.63	3744819.00	13.17142	(81020408)	382694.22	3744819.00	14.20185	(81013108)
382729.84	3744819.00	15.39428	(81121908)	382765.44	3744819.00	16.52901	(81021908)
382801.06	3744819.00	18.29383	(81111008)	382836.66	3744819.00	20.07096	(81122808)
382872.28	3744819.00	22.36633	(81103008)	382907.88	3744819.00	24.87665	(81102808)
382943.50	3744819.00	27.27606	(81012508)	382979.09	3744819.00	29.66710	(81011708)
383014.72	3744819.00	31.57296	(81011808)	383050.31	3744819.00	32.46507	(81010109)
382551.78	3744841.75	9.94630	(81122509)	382587.38	3744841.75	11.11380	(81122509)
382623.00	3744841.75	12.34542	(81122509)	382658.63	3744841.75	13.57477	(81122509)
382694.22	3744841.75	14.71177	(81020408)	382729.84	3744841.75	15.97740	(81013108)
382765.44	3744841.75	17.51503	(81123108)	382801.06	3744841.75	19.26029	(81021908)
382836.66	3744841.75	21.34662	(81110908)	382872.28	3744841.75	23.76937	(81103008)
382907.88	3744841.75	26.85924	(81011709)	382943.50	3744841.75	29.95054	(81012508)
382979.09	3744841.75	32.64098	(81011708)	383014.72	3744841.75	35.24482	(81011808)
383050.31	3744841.75	36.33758	(81120308)	382551.78	3744864.50	10.68090	(81010709)
382587.38	3744864.50	10.86172	(81010709)	382623.00	3744864.50	12.19125	(81122509)
382658.63	3744864.50	13.68401	(81122509)	382694.22	3744864.50	15.23982	(81122509)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 149
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	16.67051	(81020408)	382765.44	3744864.50	18.29019	(81031008)
382801.06	3744864.50	20.20025	(81123108)	382836.66	3744864.50	22.70715	(81111008)
382872.28	3744864.50	25.17174	(81122808)	382907.88	3744864.50	29.17884	(81011709)
382943.50	3744864.50	33.24044	(81012508)	382979.09	3744864.50	36.65495	(81011708)
383014.72	3744864.50	39.49908	(81011808)	383050.31	3744864.50	40.65291	(81120308)
382551.78	3744887.00	11.40441	(81010709)	382587.38	3744887.00	11.99423	(81010709)
382623.00	3744887.00	12.40843	(81010709)	382658.63	3744887.00	13.45945	(81122509)
382694.22	3744887.00	15.37276	(81122509)	382729.84	3744887.00	17.39181	(81122509)
382765.44	3744887.00	19.22714	(81013108)	382801.06	3744887.00	21.53744	(81031008)
382836.66	3744887.00	24.19782	(81021908)	382872.28	3744887.00	27.53383	(81122808)
382907.88	3744887.00	31.56467	(81103008)	382943.50	3744887.00	37.03228	(81012508)
382979.09	3744887.00	41.71511	(81010909)	383014.72	3744887.00	44.93724	(81010908)
383050.31	3744887.00	45.37638	(81120308)	382551.78	3744909.75	11.72000	(81112608)
382587.38	3744909.75	12.62342	(81010709)	382623.00	3744909.75	13.53678	(81010709)
382658.63	3744909.75	14.28889	(81010709)	382694.22	3744909.75	15.02453	(81122509)
382729.84	3744909.75	17.59135	(81122509)	382765.44	3744909.75	20.24549	(81122509)
382801.06	3744909.75	22.81450	(81013108)	382836.66	3744909.75	25.92614	(81123108)
382872.28	3744909.75	29.86824	(81112008)	382907.88	3744909.75	34.73864	(81103008)
382943.50	3744909.75	41.56807	(81122909)	382979.09	3744909.75	48.01183	(81010909)
383014.72	3744909.75	52.28180	(81102208)	382551.78	3744932.50	11.71031	(81112608)
382587.38	3744932.50	12.80532	(81112608)	382623.00	3744932.50	14.03908	(81112608)
382658.63	3744932.50	15.36298	(81010709)	382694.22	3744932.50	16.60677	(81010709)
382729.84	3744932.50	17.50255	(81010709)	382765.44	3744932.50	20.63397	(81122509)
382801.06	3744932.50	24.17236	(81013008)	382836.66	3744932.50	27.73530	(81031008)
382872.28	3744932.50	32.52726	(81021908)	382907.88	3744932.50	38.31717	(81122808)
382943.50	3744932.50	47.20763	(81122909)	382979.09	3744932.50	56.29491	(81010909)
383014.72	3744932.50	61.81459	(81010109)	382551.78	3744955.25	11.44226	(81112608)
382587.38	3744955.25	12.57746	(81112608)	382623.00	3744955.25	13.98134	(81112608)
382658.63	3744955.25	15.68286	(81112608)	382694.22	3744955.25	17.57283	(81112608)
382729.84	3744955.25	19.52856	(81010709)	382765.44	3744955.25	21.17654	(81010709)
382801.06	3744955.25	24.98890	(81122509)	382836.66	3744955.25	29.89244	(81020408)
382872.28	3744955.25	35.66629	(81123108)	382907.88	3744955.25	43.42968	(81122608)
382943.50	3744955.25	54.18358	(81122909)	382979.09	3744955.25	62.59192	(81101808)
383014.72	3744955.25	57.09472	(81120308)	382551.78	3744978.00	11.11348	(81120408)
382587.38	3744978.00	12.16230	(81112608)	382623.00	3744978.00	13.48597	(81112608)
382658.63	3744978.00	15.25017	(81112608)	382694.22	3744978.00	17.56504	(81112608)
382729.84	3744978.00	20.34112	(81112608)	382765.44	3744978.00	23.31825	(81010709)
382801.06	3744978.00	26.21658	(81010709)	382836.66	3744978.00	31.50883	(81122509)
382872.28	3744978.00	38.91439	(81013108)	382907.88	3744978.00	49.13532	(81021908)
382943.50	3744978.00	60.16283	(81122808)	382979.09	3744978.00	73.41921	(81011808)

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**MODELOPTs: PAGE 150
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	66.10802	(81120308)	382551.78	3745000.75	12.30735	(81120408)
382587.38	3745000.75	13.26732	(81120408)	382623.00	3745000.75	14.35900	(81120408)
382658.63	3745000.75	15.58966	(81120408)	382694.22	3745000.75	16.96992	(81120408)
382729.84	3745000.75	19.75126	(81112608)	382765.44	3745000.75	23.81803	(81112608)
382801.06	3745000.75	28.47775	(81112608)	382836.66	3745000.75	33.53331	(81010709)
382872.28	3745000.75	41.98997	(81122509)	382907.88	3745000.75	55.32452	(81031008)
382943.50	3745000.75	48.36654	(81101808)	382551.78	3745023.25	12.84863	(81120408)
382587.38	3745023.25	14.00120	(81120408)	382623.00	3745023.25	15.38726	(81120408)
382658.63	3745023.25	17.05047	(81120408)	382694.22	3745023.25	19.03570	(81120408)
382729.84	3745023.25	21.40605	(81120408)	382765.44	3745023.25	24.25811	(81120408)
382801.06	3745023.25	28.40664	(81112608)	382836.66	3745023.25	35.94178	(81112608)
382872.28	3745023.25	45.07339	(81010709)	382907.88	3745023.25	61.06036	(81013008)
382551.78	3745046.00	12.82390	(81120408)	382587.38	3745046.00	13.98293	(81120408)
382623.00	3745046.00	15.42700	(81120408)	382658.63	3745046.00	17.25530	(81120408)
382694.22	3745046.00	19.58442	(81120408)	382728.88	3745037.50	22.28992	(81120408)
382764.50	3745037.50	25.75150	(81120408)	382800.09	3745037.50	30.13348	(81120408)
382835.72	3745037.50	35.93554	(81120408)	382871.31	3745037.50	46.94923	(81112608)

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*** *** 14:35:53
**MODELOPTs: PAGE 151
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	5.21378	(81122509)	382587.38	3744750.75	5.59009	(81122509)
382623.00	3744750.75	5.94696	(81122509)	382658.63	3744750.75	6.25020	(81013008)
382694.22	3744750.75	6.54095	(81020408)	382729.84	3744750.75	6.85912	(81013108)
382765.44	3744750.75	7.16737	(81031008)	382801.06	3744750.75	7.61250	(81122609)
382836.66	3744750.75	7.91800	(81123108)	382872.28	3744750.75	8.55948	(81021908)
382907.88	3744750.75	9.12005	(81112008)	382943.50	3744750.75	9.76039	(81122808)
382979.09	3744750.75	10.27003	(81103008)	383014.72	3744750.75	11.32988	(81103008)
383050.31	3744750.75	12.36320	(81102808)	382551.78	3744773.50	5.11595	(81122509)
382587.38	3744773.50	5.53113	(81122509)	382623.00	3744773.50	5.95511	(81122509)
382658.63	3744773.50	6.35588	(81122509)	382694.22	3744773.50	6.69544	(81013008)
382729.84	3744773.50	7.02644	(81020408)	382765.44	3744773.50	7.40828	(81013108)
382801.06	3744773.50	7.82486	(81031008)	382836.66	3744773.50	8.29849	(81123108)
382872.28	3744773.50	8.78667	(81021908)	382907.88	3744773.50	9.46103	(81111008)
382943.50	3744773.50	10.15456	(81122808)	382979.09	3744773.50	10.64702	(81122808)
383014.72	3744773.50	11.94451	(81103008)	383050.31	3744773.50	13.05275	(81011709)
382551.78	3744796.25	5.27253	(81010709)	382587.38	3744796.25	5.43096	(81122509)
382623.00	3744796.25	5.89816	(81122509)	382658.63	3744796.25	6.37361	(81122509)
382694.22	3744796.25	6.82709	(81122509)	382729.84	3744796.25	7.21208	(81013008)
382765.44	3744796.25	7.59142	(81020408)	382801.06	3744796.25	8.04803	(81013108)
382836.66	3744796.25	8.58237	(81121908)	382872.28	3744796.25	9.05926	(81123108)
382907.88	3744796.25	9.83293	(81021908)	382943.50	3744796.25	10.58987	(81122608)
382979.09	3744796.25	11.38368	(81122808)	383014.72	3744796.25	12.54144	(81103008)
383050.31	3744796.25	13.80068	(81011709)	382551.78	3744819.00	5.60893	(81010709)
382587.38	3744819.00	5.66415	(81010709)	382623.00	3744819.00	5.79669	(81122509)
382658.63	3744819.00	6.31611	(81122509)	382694.22	3744819.00	6.85704	(81122509)
382729.84	3744819.00	7.38049	(81122509)	382765.44	3744819.00	7.83108	(81112208)
382801.06	3744819.00	8.29568	(81013108)	382836.66	3744819.00	8.80598	(81031008)
382872.28	3744819.00	9.49834	(81123108)	382907.88	3744819.00	10.14454	(81021908)
382943.50	3744819.00	11.04353	(81111008)	382979.09	3744819.00	12.05262	(81122808)
383014.72	3744819.00	13.09975	(81103008)	383050.31	3744819.00	14.57643	(81011709)
382551.78	3744841.75	5.88733	(81010709)	382587.38	3744841.75	6.02985	(81010709)
382623.00	3744841.75	6.13014	(81010709)	382658.63	3744841.75	6.20785	(81122509)
382694.22	3744841.75	6.79656	(81122509)	382729.84	3744841.75	7.42610	(81122509)
382765.44	3744841.75	8.03791	(81122509)	382801.06	3744841.75	8.57472	(81112208)
382836.66	3744841.75	9.16710	(81013108)	382872.28	3744841.75	9.84438	(81031008)
382907.88	3744841.75	10.58132	(81123108)	382943.50	3744841.75	11.56565	(81021908)
382979.09	3744841.75	12.64270	(81110908)	383014.72	3744841.75	13.58547	(81103008)
383050.31	3744841.75	15.51089	(81103008)	382551.78	3744864.50	6.08054	(81010709)
382587.38	3744864.50	6.31515	(81010709)	382623.00	3744864.50	6.51692	(81010709)
382658.63	3744864.50	6.66930	(81010709)	382694.22	3744864.50	6.75728	(81010709)

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**MODELOPTs: PAGE 152
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	7.36138	(81122509)	382765.44	3744864.50	8.10619	(81122509)
382801.06	3744864.50	8.83442	(81122509)	382836.66	3744864.50	9.48629	(81020408)
382872.28	3744864.50	10.22250	(81013108)	382907.88	3744864.50	11.09340	(81121908)
382943.50	3744864.50	12.02223	(81021908)	382979.09	3744864.50	13.33992	(81112008)
383014.72	3744864.50	14.73533	(81122808)	383050.31	3744864.50	16.67594	(81103008)
382551.78	3744887.00	6.19571	(81112608)	382587.38	3744887.00	6.49073	(81010709)
382623.00	3744887.00	6.79568	(81010709)	382658.63	3744887.00	7.07230	(81010709)
382694.22	3744887.00	7.29858	(81010709)	382729.84	3744887.00	7.45154	(81010709)
382765.44	3744887.00	8.03744	(81122509)	382801.06	3744887.00	8.93592	(81122509)
382836.66	3744887.00	9.81241	(81122509)	382872.28	3744887.00	10.61556	(81020408)
382907.88	3744887.00	11.51228	(81013108)	382943.50	3744887.00	12.68294	(81123108)
382979.09	3744887.00	14.08110	(81021908)	383014.72	3744887.00	15.77607	(81122808)
383050.31	3744887.00	17.90881	(81103008)	382551.78	3744909.75	6.22760	(81112608)
382587.38	3744909.75	6.59194	(81112608)	382623.00	3744909.75	6.96412	(81112608)
382658.63	3744909.75	7.34229	(81010709)	382694.22	3744909.75	7.71988	(81010709)
382729.84	3744909.75	8.05259	(81010709)	382765.44	3744909.75	8.30576	(81010709)
382801.06	3744909.75	8.86231	(81122509)	382836.66	3744909.75	9.96849	(81122509)
382872.28	3744909.75	11.04862	(81122509)	382907.88	3744909.75	12.05633	(81013108)
382943.50	3744909.75	13.34239	(81031008)	382979.09	3744909.75	14.75968	(81021908)
383014.72	3744909.75	16.82817	(81122608)	382551.78	3744932.50	6.17510	(81112608)
382587.38	3744932.50	6.58626	(81112608)	382623.00	3744932.50	7.02526	(81112608)
382658.63	3744932.50	7.49083	(81112608)	382694.22	3744932.50	7.97293	(81112608)
382729.84	3744932.50	8.47446	(81010709)	382765.44	3744932.50	8.95608	(81010709)
382801.06	3744932.50	9.36116	(81010709)	382836.66	3744932.50	9.89316	(81122509)
382872.28	3744932.50	11.28899	(81122509)	382907.88	3744932.50	12.64781	(81122509)
382943.50	3744932.50	14.04195	(81013108)	382979.09	3744932.50	15.77641	(81122609)
383014.72	3744932.50	17.99885	(81020608)	382551.78	3744955.25	6.06173	(81112608)
382587.38	3744955.25	6.50068	(81112608)	382623.00	3744955.25	6.97689	(81112608)
382658.63	3744955.25	7.50073	(81112608)	382694.22	3744955.25	8.07756	(81112608)
382729.84	3744955.25	8.70411	(81112608)	382765.44	3744955.25	9.35959	(81112608)
382801.06	3744955.25	10.05027	(81010709)	382836.66	3744955.25	10.68388	(81010709)
382872.28	3744955.25	11.22206	(81122509)	382907.88	3744955.25	13.02791	(81122509)
382943.50	3744955.25	14.79951	(81013008)	382979.09	3744955.25	16.72030	(81013108)
383014.72	3744955.25	19.15443	(81021908)	382551.78	3744978.00	6.26349	(81120408)
382587.38	3744978.00	6.47814	(81120408)	382623.00	3744978.00	6.86136	(81112608)
382658.63	3744978.00	7.40787	(81112608)	382694.22	3744978.00	8.02679	(81112608)
382729.84	3744978.00	8.73647	(81112608)	382765.44	3744978.00	9.54277	(81112608)
382801.06	3744978.00	10.43576	(81112608)	382836.66	3744978.00	11.39140	(81010709)
382872.28	3744978.00	12.37317	(81010709)	382907.88	3744978.00	13.25160	(81010709)
382943.50	3744978.00	15.41348	(81122509)	382979.09	3744978.00	17.83203	(81112108)

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**MODELOPTs: PAGE 153
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	20.76666	(81031008)	382551.78	3745000.75	6.70198	(81120408)
382587.38	3745000.75	6.98884	(81120408)	382623.00	3745000.75	7.29773	(81120408)
382658.63	3745000.75	7.63019	(81120408)	382694.22	3745000.75	7.98753	(81120408)
382729.84	3745000.75	8.62074	(81112608)	382765.44	3745000.75	9.48537	(81112608)
382801.06	3745000.75	10.51768	(81112608)	382836.66	3745000.75	11.72577	(81112608)
382872.28	3745000.75	13.08949	(81112608)	382907.88	3745000.75	14.58188	(81010709)
382943.50	3745000.75	16.09783	(81010709)	382551.78	3745023.25	7.03137	(81120408)
382587.38	3745023.25	7.38529	(81120408)	382623.00	3745023.25	7.77557	(81120408)
382658.63	3745023.25	8.20792	(81120408)	382694.22	3745023.25	8.68857	(81120408)
382729.84	3745023.25	9.22582	(81120408)	382765.44	3745023.25	9.82710	(81120408)
382801.06	3745023.25	10.50335	(81120408)	382836.66	3745023.25	11.67683	(81112608)
382872.28	3745023.25	13.31117	(81112608)	382907.88	3745023.25	15.28137	(81112608)
382551.78	3745046.00	7.23137	(81120408)	382587.38	3745046.00	7.63785	(81120408)
382623.00	3745046.00	8.09233	(81120408)	382658.63	3745046.00	8.60517	(81120408)
382694.22	3745046.00	9.18905	(81120408)	382728.88	3745037.50	9.63944	(81120408)
382764.50	3745037.50	10.35560	(81120408)	382800.09	3745037.50	11.18176	(81120408)
382835.72	3745037.50	12.14351	(81120408)	382871.31	3745037.50	13.27049	(81120408)

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**MODELOPTs: PAGE 154
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	7.28555	(81010709)	382587.38	3744750.75	7.46407	(81010709)
382623.00	3744750.75	7.53548	(81010709)	382658.63	3744750.75	8.00349	(81122509)
382694.22	3744750.75	9.51519	(81122509)	382729.84	3744750.75	10.99819	(81122509)
382765.44	3744750.75	12.27744	(81013008)	382801.06	3744750.75	13.57373	(81013108)
382836.66	3744750.75	15.16245	(81031008)	382872.28	3744750.75	17.26391	(81123108)
382907.88	3744750.75	19.68475	(81021908)	382943.50	3744750.75	22.55046	(81122608)
382979.09	3744750.75	24.43298	(81122808)	383014.72	3744750.75	28.02946	(81103008)
383050.31	3744750.75	29.81560	(81011008)	382551.78	3744773.50	7.55248	(81010709)
382587.38	3744773.50	7.94205	(81010709)	382623.00	3744773.50	8.28029	(81010709)
382658.63	3744773.50	8.49378	(81010709)	382694.22	3744773.50	8.83056	(81122509)
382729.84	3744773.50	10.57393	(81122509)	382765.44	3744773.50	12.31211	(81122509)
382801.06	3744773.50	13.87918	(81112208)	382836.66	3744773.50	15.64357	(81013108)
382872.28	3744773.50	17.84938	(81031008)	382907.88	3744773.50	20.04517	(81123108)
382943.50	3744773.50	23.87439	(81111008)	382979.09	3744773.50	27.62728	(81122808)
383014.72	3744773.50	31.66514	(81103008)	383050.31	3744773.50	33.89320	(81113008)
382551.78	3744796.25	7.58373	(81112608)	382587.38	3744796.25	8.11678	(81010709)
382623.00	3744796.25	8.69288	(81010709)	382658.63	3744796.25	9.20087	(81010709)
382694.22	3744796.25	9.59351	(81010709)	382729.84	3744796.25	9.82499	(81010709)
382765.44	3744796.25	11.85749	(81122509)	382801.06	3744796.25	13.95733	(81122509)
382836.66	3744796.25	15.92586	(81112108)	382872.28	3744796.25	18.28487	(81013108)
382907.88	3744796.25	21.35176	(81123108)	382943.50	3744796.25	25.14757	(81021908)
382979.09	3744796.25	30.14721	(81122808)	383014.72	3744796.25	35.35153	(81103008)
383050.31	3744796.25	39.04667	(81102808)	382551.78	3744819.00	7.40111	(81112608)
382587.38	3744819.00	8.07072	(81112608)	382623.00	3744819.00	8.78068	(81112608)
382658.63	3744819.00	9.51545	(81010709)	382694.22	3744819.00	10.22790	(81010709)
382729.84	3744819.00	10.86981	(81010709)	382765.44	3744819.00	11.37248	(81010709)
382801.06	3744819.00	13.45805	(81122509)	382836.66	3744819.00	16.03829	(81122509)
382872.28	3744819.00	18.62452	(81020408)	382907.88	3744819.00	21.82844	(81031008)
382943.50	3744819.00	25.94308	(81123108)	382979.09	3744819.00	32.40066	(81112008)
383014.72	3744819.00	38.75583	(81103008)	383050.31	3744819.00	45.79456	(81011709)
382551.78	3744841.75	6.99858	(81112608)	382587.38	3744841.75	7.76944	(81112608)
382623.00	3744841.75	8.60954	(81112608)	382658.63	3744841.75	9.49191	(81112608)
382694.22	3744841.75	10.40073	(81112608)	382729.84	3744841.75	11.38012	(81010709)
382765.44	3744841.75	12.33956	(81010709)	382801.06	3744841.75	13.24327	(81010709)
382836.66	3744841.75	15.50442	(81122509)	382872.28	3744841.75	18.79739	(81122509)
382907.88	3744841.75	22.32146	(81020408)	382943.50	3744841.75	27.24597	(81121908)
382979.09	3744841.75	34.09223	(81021908)	383014.72	3744841.75	44.98582	(81122808)
383050.31	3744841.75	54.74578	(81011709)	382551.78	3744864.50	6.43817	(81112608)
382587.38	3744864.50	7.25096	(81112608)	382623.00	3744864.50	8.15512	(81112608)
382658.63	3744864.50	9.14722	(81112608)	382694.22	3744864.50	10.23044	(81112608)

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**MODELOPTs: PAGE 155
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	11.40343	(81112608)	382765.44	3744864.50	12.67745	(81010709)
382801.06	3744864.50	14.07302	(81010709)	382836.66	3744864.50	15.53375	(81010709)
382872.28	3744864.50	18.18643	(81122509)	382907.88	3744864.50	22.58270	(81122509)
382943.50	3744864.50	27.96786	(81013108)	382979.09	3744864.50	35.78863	(81123108)
383014.72	3744864.50	50.36778	(81110908)	383050.31	3744864.50	67.16350	(81103008)
382551.78	3744887.00	6.86694	(81120408)	382587.38	3744887.00	7.21437	(81120408)
382623.00	3744887.00	7.59488	(81120408)	382658.63	3744887.00	8.53370	(81112608)
382694.22	3744887.00	9.70040	(81112608)	382729.84	3744887.00	11.01966	(81112608)
382765.44	3744887.00	12.50513	(81112608)	382801.06	3744887.00	14.17738	(81112608)
382836.66	3744887.00	16.11227	(81010709)	382872.28	3744887.00	18.34958	(81010709)
382907.88	3744887.00	21.85689	(81122509)	382943.50	3744887.00	28.10653	(81013008)
382979.09	3744887.00	37.07964	(81031008)	383014.72	3744887.00	54.13712	(81020608)
383050.31	3744887.00	42.41331	(81103008)	382551.78	3744909.75	7.34826	(81120408)
382587.38	3744909.75	7.79613	(81120408)	382623.00	3744909.75	8.29565	(81120408)
382658.63	3744909.75	8.85782	(81120408)	382694.22	3744909.75	9.49776	(81120408)
382729.84	3744909.75	10.26648	(81112608)	382765.44	3744909.75	11.85829	(81112608)
382801.06	3744909.75	13.72740	(81112608)	382836.66	3744909.75	15.93229	(81112608)
382872.28	3744909.75	18.58870	(81010709)	382907.88	3744909.75	21.94927	(81010709)
382943.50	3744909.75	27.18141	(81122509)	382979.09	3744909.75	36.96471	(81020408)
383014.72	3744909.75	44.97852	(81010709)	382551.78	3744932.50	7.54463	(81120408)
382587.38	3744932.50	8.06080	(81120408)	382623.00	3744932.50	8.64252	(81120408)
382658.63	3744932.50	9.30375	(81120408)	382694.22	3744932.50	10.06313	(81120408)
382729.84	3744932.50	10.94898	(81120408)	382765.44	3744932.50	11.99884	(81120408)
382801.06	3744932.50	13.27399	(81120408)	382836.66	3744932.50	15.13012	(81112608)
382872.28	3744932.50	18.04834	(81112608)	382907.88	3744932.50	21.76863	(81112608)
382943.50	3744932.50	26.85798	(81010709)	382979.09	3744932.50	35.72374	(81122509)
383014.72	3744932.50	44.17543	(81123108)	382551.78	3744955.25	7.46778	(81120408)
382587.38	3744955.25	8.01736	(81120408)	382623.00	3744955.25	8.64094	(81120408)
382658.63	3744955.25	9.35456	(81120408)	382694.22	3744955.25	10.17936	(81120408)
382729.84	3744955.25	11.14664	(81120408)	382765.44	3744955.25	12.29674	(81120408)
382801.06	3744955.25	13.69350	(81120408)	382836.66	3744955.25	15.43021	(81120408)
382872.28	3744955.25	17.66846	(81120408)	382907.88	3744955.25	20.73670	(81112608)
382943.50	3744955.25	26.14248	(81112608)	382979.09	3744955.25	34.27086	(81010709)
383014.72	3744955.25	46.84231	(81013108)	382551.78	3744978.00	7.15923	(81120408)
382587.38	3744978.00	7.71024	(81120408)	382623.00	3744978.00	8.33808	(81120408)
382658.63	3744978.00	9.06002	(81120408)	382694.22	3744978.00	9.89897	(81120408)
382729.84	3744978.00	10.88860	(81120408)	382765.44	3744978.00	12.07221	(81120408)
382801.06	3744978.00	13.51702	(81120408)	382836.66	3744978.00	15.31896	(81120408)
382872.28	3744978.00	17.63940	(81120408)	382907.88	3744978.00	20.74882	(81120408)
382943.50	3744978.00	25.18321	(81120408)	382979.09	3744978.00	32.10998	(81120408)

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**MODELOPTs: PAGE 156
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	45.16058	(81010709)	382551.78	3745000.75	6.67753	(81120408)
382587.38	3745000.75	7.20497	(81120408)	382623.00	3745000.75	7.80679	(81120408)
382658.63	3745000.75	8.50028	(81120408)	382694.22	3745000.75	9.30857	(81120408)
382729.84	3745000.75	10.26609	(81120408)	382765.44	3745000.75	11.41782	(81120408)
382801.06	3745000.75	12.83389	(81120408)	382836.66	3745000.75	14.61475	(81120408)
382872.28	3745000.75	16.92726	(81120408)	382907.88	3745000.75	20.04497	(81120408)
382943.50	3745000.75	24.49040	(81120408)	382551.78	3745023.25	6.09185	(81120408)
382587.38	3745023.25	6.58040	(81120408)	382623.00	3745023.25	7.13718	(81120408)
382658.63	3745023.25	7.77793	(81120408)	382694.22	3745023.25	8.52396	(81120408)
382729.84	3745023.25	9.40735	(81120408)	382765.44	3745023.25	10.47063	(81120408)
382801.06	3745023.25	11.78099	(81120408)	382836.66	3745023.25	13.43630	(81120408)
382872.28	3745023.25	15.60056	(81120408)	382907.88	3745023.25	18.59186	(81102008)
382551.78	3745046.00	5.44318	(81120408)	382587.38	3745046.00	5.88577	(81120408)
382623.00	3745046.00	6.38886	(81120408)	382658.63	3745046.00	6.96575	(81120408)
382694.22	3745046.00	7.63436	(81120408)	382728.88	3745037.50	8.77167	(81120408)
382764.50	3745037.50	9.75617	(81120408)	382800.09	3745037.50	10.96283	(81120408)
382835.72	3745037.50	13.13513	(81102008)	382871.31	3745037.50	15.71311	(81102008)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 157
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	5.43936	(81122509)	382587.38	3744750.75	5.87201	(81122509)
382623.00	3744750.75	6.29493	(81122509)	382658.63	3744750.75	6.67167	(81122509)
382694.22	3744750.75	7.00370	(81112108)	382729.84	3744750.75	7.35125	(81013108)
382765.44	3744750.75	7.73698	(81013108)	382801.06	3744750.75	8.24871	(81121908)
382836.66	3744750.75	8.69619	(81123108)	382872.28	3744750.75	9.38410	(81021908)
382907.88	3744750.75	10.10263	(81112008)	382943.50	3744750.75	10.91934	(81122808)
382979.09	3744750.75	11.49876	(81103008)	383014.72	3744750.75	12.79209	(81103008)
383050.31	3744750.75	13.88548	(81102808)	382551.78	3744773.50	5.31180	(81010709)
382587.38	3744773.50	5.77372	(81122509)	382623.00	3744773.50	6.26130	(81122509)
382658.63	3744773.50	6.73677	(81122509)	382694.22	3744773.50	7.15620	(81122509)
382729.84	3744773.50	7.54160	(81020408)	382765.44	3744773.50	7.97238	(81013108)
382801.06	3744773.50	8.43022	(81031008)	382836.66	3744773.50	9.04183	(81123108)
382872.28	3744773.50	9.55720	(81021908)	382907.88	3744773.50	10.46315	(81020608)
382943.50	3744773.50	11.36098	(81110908)	382979.09	3744773.50	12.08765	(81122808)
383014.72	3744773.50	13.59254	(81103008)	383050.31	3744773.50	14.76910	(81011709)
382551.78	3744796.25	5.67123	(81010709)	382587.38	3744796.25	5.69067	(81010709)
382623.00	3744796.25	6.16113	(81122509)	382658.63	3744796.25	6.70800	(81122509)
382694.22	3744796.25	7.24619	(81122509)	382729.84	3744796.25	7.71915	(81122509)
382765.44	3744796.25	8.17368	(81020408)	382801.06	3744796.25	8.70231	(81013108)
382836.66	3744796.25	9.30887	(81031008)	382872.28	3744796.25	9.96612	(81123108)
382907.88	3744796.25	10.84381	(81021908)	382943.50	3744796.25	11.82455	(81112008)
382979.09	3744796.25	12.95297	(81122808)	383014.72	3744796.25	14.37600	(81103008)
383050.31	3744796.25	15.80583	(81011709)	382551.78	3744819.00	5.99416	(81010709)
382587.38	3744819.00	6.08663	(81010709)	382623.00	3744819.00	6.14527	(81010709)
382658.63	3744819.00	6.60273	(81122509)	382694.22	3744819.00	7.22416	(81122509)
382729.84	3744819.00	7.84512	(81122509)	382765.44	3744819.00	8.39054	(81013008)
382801.06	3744819.00	8.92410	(81020408)	382836.66	3744819.00	9.55972	(81013108)
382872.28	3744819.00	10.34986	(81122609)	382907.88	3744819.00	11.08103	(81021908)
382943.50	3744819.00	12.32396	(81111008)	382979.09	3744819.00	13.68585	(81122808)
383014.72	3744819.00	15.10387	(81103008)	383050.31	3744819.00	16.93572	(81011709)
382551.78	3744841.75	6.24835	(81010709)	382587.38	3744841.75	6.43282	(81010709)
382623.00	3744841.75	6.57902	(81010709)	382658.63	3744841.75	6.67209	(81010709)
382694.22	3744841.75	7.11041	(81122509)	382729.84	3744841.75	7.83202	(81122509)
382765.44	3744841.75	8.55696	(81122509)	382801.06	3744841.75	9.19626	(81013008)
382836.66	3744841.75	9.86627	(81013108)	382872.28	3744841.75	10.65633	(81031008)
382907.88	3744841.75	11.65295	(81123108)	382943.50	3744841.75	12.84939	(81021908)
382979.09	3744841.75	14.32570	(81122608)	383014.72	3744841.75	15.87895	(81122808)
383050.31	3744841.75	18.23842	(81103008)	382551.78	3744864.50	6.41000	(81010709)
382587.38	3744864.50	6.68815	(81010709)	382623.00	3744864.50	6.93855	(81010709)
382658.63	3744864.50	7.14452	(81010709)	382694.22	3744864.50	7.29121	(81010709)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
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**MODELOPTs: PAGE 158
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	7.70752	(81122509)	382765.44	3744864.50	8.55864	(81122509)
382801.06	3744864.50	9.42094	(81122509)	382836.66	3744864.50	10.19523	(81112208)
382872.28	3744864.50	11.06321	(81013108)	382907.88	3744864.50	12.11420	(81031008)
382943.50	3744864.50	13.20966	(81123108)	382979.09	3744864.50	15.06913	(81111008)
383014.72	3744864.50	17.30379	(81122808)	383050.31	3744864.50	20.07702	(81103008)
382551.78	3744887.00	6.50126	(81112608)	382587.38	3744887.00	6.83839	(81112608)
382623.00	3744887.00	7.18072	(81010709)	382658.63	3744887.00	7.51237	(81010709)
382694.22	3744887.00	7.80103	(81010709)	382729.84	3744887.00	8.02466	(81010709)
382765.44	3744887.00	8.42291	(81122509)	382801.06	3744887.00	9.44623	(81122509)
382836.66	3744887.00	10.48429	(81122509)	382872.28	3744887.00	11.44142	(81020408)
382907.88	3744887.00	12.54784	(81013108)	382943.50	3744887.00	13.98094	(81123108)
382979.09	3744887.00	15.83281	(81021908)	383014.72	3744887.00	18.36953	(81122608)
383050.31	3744887.00	20.08508	(81103008)	382551.78	3744909.75	6.49563	(81112608)
382587.38	3744909.75	6.90023	(81112608)	382623.00	3744909.75	7.31858	(81112608)
382658.63	3744909.75	7.74009	(81112608)	382694.22	3744909.75	8.17800	(81010709)
382729.84	3744909.75	8.58298	(81010709)	382765.44	3744909.75	8.92057	(81010709)
382801.06	3744909.75	9.29505	(81122509)	382836.66	3744909.75	10.55003	(81122509)
382872.28	3744909.75	11.83011	(81122509)	382907.88	3744909.75	13.04601	(81020408)
382943.50	3744909.75	14.54359	(81031008)	382979.09	3744909.75	16.43737	(81123108)
383014.72	3744909.75	18.86166	(81122608)	382551.78	3744932.50	6.40536	(81112608)
382587.38	3744932.50	6.85368	(81112608)	382623.00	3744932.50	7.33571	(81112608)
382658.63	3744932.50	7.85132	(81112608)	382694.22	3744932.50	8.39196	(81112608)
382729.84	3744932.50	8.95121	(81010709)	382765.44	3744932.50	9.51613	(81010709)
382801.06	3744932.50	10.02207	(81010709)	382836.66	3744932.50	10.42346	(81010709)
382872.28	3744932.50	11.96258	(81122509)	382907.88	3744932.50	13.57744	(81122509)
382943.50	3744932.50	15.20849	(81013108)	382979.09	3744932.50	17.31707	(81122609)
383014.72	3744932.50	20.20652	(81021908)	382551.78	3744955.25	6.25546	(81112608)
382587.38	3744955.25	6.72796	(81112608)	382623.00	3744955.25	7.24334	(81112608)
382658.63	3744955.25	7.81304	(81112608)	382694.22	3744955.25	8.44388	(81112608)
382729.84	3744955.25	9.13482	(81112608)	382765.44	3744955.25	9.86804	(81112608)
382801.06	3744955.25	10.64291	(81010709)	382836.66	3744955.25	11.39718	(81010709)
382872.28	3744955.25	12.05593	(81010709)	382907.88	3744955.25	13.82469	(81122509)
382943.50	3744955.25	15.92038	(81122509)	382979.09	3744955.25	18.25557	(81013108)
383014.72	3744955.25	21.45129	(81123108)	382551.78	3744978.00	6.64150	(81120408)
382587.38	3744978.00	6.88498	(81120408)	382623.00	3744978.00	7.14213	(81120408)
382658.63	3744978.00	7.67325	(81112608)	382694.22	3744978.00	8.34102	(81112608)
382729.84	3744978.00	9.10908	(81112608)	382765.44	3744978.00	9.98600	(81112608)
382801.06	3744978.00	10.96636	(81112608)	382836.66	3744978.00	12.02087	(81010709)
382872.28	3744978.00	13.14829	(81010709)	382907.88	3744978.00	14.22428	(81010709)
382943.50	3744978.00	16.38311	(81122509)	382979.09	3744978.00	19.26736	(81013008)

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**MODELOPTs: PAGE 159
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	22.34896	(81031008)	382551.78	3745000.75	7.05457	(81120408)
382587.38	3745000.75	7.36904	(81120408)	382623.00	3745000.75	7.70938	(81120408)
382658.63	3745000.75	8.07802	(81120408)	382694.22	3745000.75	8.47743	(81120408)
382729.84	3745000.75	8.93759	(81112608)	382765.44	3745000.75	9.86544	(81112608)
382801.06	3745000.75	10.97556	(81112608)	382836.66	3745000.75	12.28186	(81112608)
382872.28	3745000.75	13.77457	(81112608)	382907.88	3745000.75	15.43246	(81010709)
382943.50	3745000.75	17.20437	(81010709)	382551.78	3745023.25	7.35306	(81120408)
382587.38	3745023.25	7.73255	(81120408)	382623.00	3745023.25	8.15195	(81120408)
382658.63	3745023.25	8.61773	(81120408)	382694.22	3745023.25	9.13724	(81120408)
382729.84	3745023.25	9.72038	(81120408)	382765.44	3745023.25	10.37674	(81120408)
382801.06	3745023.25	11.12064	(81120408)	382836.66	3745023.25	12.15405	(81112608)
382872.28	3745023.25	13.90006	(81112608)	382907.88	3745023.25	16.02158	(81112608)
382551.78	3745046.00	7.51882	(81120408)	382587.38	3745046.00	7.94848	(81120408)
382623.00	3745046.00	8.42927	(81120408)	382658.63	3745046.00	8.97223	(81120408)
382694.22	3745046.00	9.59094	(81120408)	382728.88	3745037.50	10.10064	(81120408)
382764.50	3745037.50	10.86783	(81120408)	382800.09	3745037.50	11.75630	(81120408)
382835.72	3745037.50	12.79633	(81120408)	382871.31	3745037.50	14.02470	(81120408)

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**MODELOPTs: PAGE 160
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	9.49387	(81122624)	382587.38	3744750.75	11.05693	(81122624)
382623.00	3744750.75	12.42224	(81122624)	382658.63	3744750.75	13.29416	(81122624)
382694.22	3744750.75	13.42018	(81122624)	382729.84	3744750.75	12.75492	(81122624)
382765.44	3744750.75	11.58098	(81122624)	382801.06	3744750.75	14.01624	(81122924)
382836.66	3744750.75	16.90349	(81122924)	382872.28	3744750.75	17.77067	(81122924)
382907.88	3744750.75	16.68155	(81122924)	382943.50	3744750.75	16.14602	(81011124)
382979.09	3744750.75	16.83308	(81010924)	383014.72	3744750.75	16.63132	(81010924)
383050.31	3744750.75	16.42000	(81120324)	382551.78	3744773.50	9.18495	(81122624)
382587.38	3744773.50	10.97379	(81122624)	382623.00	3744773.50	12.71157	(81122624)
382658.63	3744773.50	14.00040	(81122624)	382694.22	3744773.50	14.51112	(81122624)
382729.84	3744773.50	14.07560	(81122624)	382765.44	3744773.50	12.91213	(81122624)
382801.06	3744773.50	14.46924	(81122924)	382836.66	3744773.50	17.83459	(81122924)
382872.28	3744773.50	19.05857	(81122924)	382907.88	3744773.50	17.89881	(81122924)
382943.50	3744773.50	17.29379	(81011124)	382979.09	3744773.50	18.18517	(81010924)
383014.72	3744773.50	17.82953	(81010924)	383050.31	3744773.50	17.57424	(81120324)
382551.78	3744796.25	8.96607	(81010724)	382587.38	3744796.25	10.73002	(81122624)
382623.00	3744796.25	12.82383	(81122624)	382658.63	3744796.25	14.59742	(81122624)
382694.22	3744796.25	15.59585	(81122624)	382729.84	3744796.25	15.52558	(81122624)
382765.44	3744796.25	14.46300	(81122624)	382801.06	3744796.25	14.93037	(81122924)
382836.66	3744796.25	18.85163	(81122924)	382872.28	3744796.25	20.48205	(81122924)
382907.88	3744796.25	19.37741	(81122924)	382943.50	3744796.25	18.66483	(81011124)
382979.09	3744796.25	19.67078	(81010924)	383014.72	3744796.25	19.11849	(81010924)
383050.31	3744796.25	19.18189	(81120324)	382551.78	3744819.00	9.49215	(81010724)
382587.38	3744819.00	10.33393	(81122624)	382623.00	3744819.00	12.74407	(81122624)
382658.63	3744819.00	15.03284	(81122624)	382694.22	3744819.00	16.63667	(81122624)
382729.84	3744819.00	17.10778	(81122624)	382765.44	3744819.00	16.27122	(81122624)
382801.06	3744819.00	15.47538	(81122924)	382836.66	3744819.00	19.95103	(81122924)
382872.28	3744819.00	22.09385	(81122924)	382907.88	3744819.00	21.19281	(81122924)
382943.50	3744819.00	20.29135	(81011124)	382979.09	3744819.00	21.44224	(81010924)
383014.72	3744819.00	20.78812	(81010924)	383050.31	3744819.00	19.76659	(81120324)
382551.78	3744841.75	9.92419	(81010724)	382587.38	3744841.75	10.47738	(81010724)
382623.00	3744841.75	12.45158	(81122624)	382658.63	3744841.75	15.22650	(81122624)
382694.22	3744841.75	17.54200	(81122624)	382729.84	3744841.75	18.71819	(81122624)
382765.44	3744841.75	18.32078	(81122624)	382801.06	3744841.75	16.70666	(81122624)
382836.66	3744841.75	21.21308	(81122924)	382872.28	3744841.75	24.00122	(81122924)
382907.88	3744841.75	23.26231	(81122924)	382943.50	3744841.75	22.39063	(81011124)
382979.09	3744841.75	23.43770	(81010924)	383014.72	3744841.75	22.51128	(81010924)
383050.31	3744841.75	21.83867	(81120324)	382551.78	3744864.50	10.26845	(81010724)
382587.38	3744864.50	11.11375	(81010724)	382623.00	3744864.50	11.91717	(81122624)
382658.63	3744864.50	15.12262	(81122624)	382694.22	3744864.50	18.20885	(81122624)

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**MODELOPTs: PAGE 161
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	20.31016	(81122624)	382765.44	3744864.50	20.64634	(81122624)
382801.06	3744864.50	19.22299	(81122624)	382836.66	3744864.50	22.86244	(81122924)
382872.28	3744864.50	26.21320	(81122924)	382907.88	3744864.50	25.83083	(81122924)
382943.50	3744864.50	25.02643	(81011124)	382979.09	3744864.50	26.28197	(81010924)
383014.72	3744864.50	24.73805	(81010924)	383050.31	3744864.50	22.37132	(81010624)
382551.78	3744887.00	10.53602	(81010724)	382587.38	3744887.00	11.66640	(81010724)
382623.00	3744887.00	12.67209	(81010724)	382658.63	3744887.00	14.76804	(81122624)
382694.22	3744887.00	18.64441	(81122624)	382729.84	3744887.00	21.92007	(81122624)
382765.44	3744887.00	23.30616	(81122624)	382801.06	3744887.00	22.35230	(81122624)
382836.66	3744887.00	24.77141	(81122924)	382872.28	3744887.00	28.92300	(81122924)
382907.88	3744887.00	29.06833	(81122924)	382943.50	3744887.00	28.46939	(81010924)
382979.09	3744887.00	28.64699	(81010924)	383014.72	3744887.00	27.95782	(81010924)
383050.31	3744887.00	25.12452	(81010924)	382551.78	3744909.75	10.70600	(81010724)
382587.38	3744909.75	12.07344	(81010724)	382623.00	3744909.75	13.45891	(81010724)
382658.63	3744909.75	14.63000	(81010724)	382694.22	3744909.75	18.61869	(81122624)
382729.84	3744909.75	23.21314	(81122624)	382765.44	3744909.75	26.19238	(81122624)

382801.06	3744909.75	26.24667	(81122624)	382836.66	3744909.75	27.01293	(81122924)
382872.28	3744909.75	32.74025	(81122924)	382907.88	3744909.75	32.65947	(81122924)
382943.50	3744909.75	32.44861	(81010924)	382979.09	3744909.75	31.27082	(81010924)
383014.72	3744909.75	25.93114	(81010924)	382551.78	3744932.50	10.67972	(81010724)
382587.38	3744932.50	12.23063	(81010724)	382623.00	3744932.50	13.96572	(81010724)
382658.63	3744932.50	15.69471	(81010724)	382694.22	3744932.50	17.89895	(81122624)
382729.84	3744932.50	23.74479	(81122624)	382765.44	3744932.50	28.67012	(81122624)
382801.06	3744932.50	30.42275	(81122624)	382836.66	3744932.50	28.79955	(81122924)
382872.28	3744932.50	36.69720	(81122924)	382907.88	3744932.50	37.33138	(81122924)
382943.50	3744932.50	30.05070	(81010924)	382979.09	3744932.50	24.79341	(81010924)
383014.72	3744932.50	25.18563	(81110224)	382551.78	3744955.25	10.46804	(81010724)
382587.38	3744955.25	12.16723	(81010724)	382623.00	3744955.25	14.19559	(81010724)
382658.63	3744955.25	16.47737	(81010724)	382694.22	3744955.25	18.68155	(81010724)
382729.84	3744955.25	23.49208	(81122624)	382765.44	3744955.25	30.65753	(81122624)
382801.06	3744955.25	34.85110	(81122624)	382836.66	3744955.25	34.16682	(81122624)
382872.28	3744955.25	38.96680	(81122924)	382907.88	3744955.25	33.46644	(81122924)
382943.50	3744955.25	34.39677	(81010924)	382979.09	3744955.25	28.51447	(81010924)
383014.72	3744955.25	20.87084	(81110224)	382551.78	3744978.00	10.01994	(81010724)
382587.38	3744978.00	11.80384	(81010724)	382623.00	3744978.00	14.03778	(81010724)
382658.63	3744978.00	16.79933	(81010724)	382694.22	3744978.00	19.92955	(81010724)
382729.84	3744978.00	22.84704	(81010724)	382765.44	3744978.00	31.70641	(81122624)
382801.06	3744978.00	39.21397	(81122624)	382836.66	3744978.00	41.85115	(81122624)
382872.28	3744978.00	44.34814	(81122924)	382907.88	3744978.00	37.05086	(81010924)
382943.50	3744978.00	40.71199	(81010924)	382979.09	3744978.00	33.03405	(81010924)

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1NX ***
INCLUDING SOURCE(S): L0002482, L0002483, L0002484, L0002485, L0002486, L0002487, L0002488,
L0002489, L0002490, L0002491, L0002492, L0002493, L0002494, L0002495, L0002496,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	23.28508	(81010924)	382551.78	3745000.75	9.60097	(81112624)
382587.38	3745000.75	11.17235	(81010724)	382623.00	3745000.75	13.51315	(81010724)
382658.63	3745000.75	16.51927	(81010724)	382694.22	3745000.75	20.41714	(81010724)
382729.84	3745000.75	24.94416	(81010724)	382765.44	3745000.75	31.18504	(81122624)
382801.06	3745000.75	43.06222	(81122624)	382836.66	3745000.75	50.11091	(81122624)
382872.28	3745000.75	39.12328	(81122924)	382907.88	3745000.75	33.61621	(81122924)
382943.50	3745000.75	36.17629	(81010924)	382551.78	3745023.25	9.40729	(81112624)
382587.38	3745023.25	10.85586	(81112624)	382623.00	3745023.25	12.57007	(81112624)
382658.63	3745023.25	15.66544	(81010724)	382694.22	3745023.25	19.93914	(81010724)
382729.84	3745023.25	25.81261	(81010724)	382765.44	3745023.25	32.28090	(81010724)
382801.06	3745023.25	45.89459	(81122624)	382836.66	3745023.25	43.93452	(81122624)
382872.28	3745023.25	42.26466	(81122924)	382907.88	3745023.25	41.63006	(81011724)
382551.78	3745046.00	8.91049	(81112624)	382587.38	3745046.00	10.40569	(81112624)
382623.00	3745046.00	12.33491	(81112624)	382658.63	3745046.00	14.79551	(81112624)
382694.22	3745046.00	18.42928	(81010724)	382728.88	3745037.50	25.21452	(81010724)
382764.50	3745037.50	33.61548	(81010724)	382800.09	3745037.50	40.96196	(81010724)
382835.72	3745037.50	50.35648	(81122624)	382871.31	3745037.50	48.23837	(81122624)

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*** *** 14:35:53
**MODELOPTs: PAGE 163
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	13.03062	(81010724)	382587.38	3744750.75	13.33569	(81010724)
382623.00	3744750.75	16.49661	(81122624)	382658.63	3744750.75	20.24468	(81122624)
382694.22	3744750.75	23.59400	(81122624)	382729.84	3744750.75	25.90941	(81122624)
382765.44	3744750.75	26.74935	(81122624)	382801.06	3744750.75	25.80778	(81122624)
382836.66	3744750.75	22.91542	(81122624)	382872.28	3744750.75	23.90969	(81122924)
382907.88	3744750.75	29.56678	(81122924)	382943.50	3744750.75	29.95073	(81122924)
382979.09	3744750.75	28.93561	(81011324)	383014.72	3744750.75	33.77257	(81010924)
383050.31	3744750.75	33.39446	(81010924)	382551.78	3744773.50	13.91427	(81010724)
382587.38	3744773.50	14.45554	(81010724)	382623.00	3744773.50	15.62716	(81122624)
382658.63	3744773.50	19.76642	(81122624)	382694.22	3744773.50	23.82097	(81122624)
382729.84	3744773.50	27.06994	(81122624)	382765.44	3744773.50	28.91645	(81122624)
382801.06	3744773.50	28.91986	(81122624)	382836.66	3744773.50	26.65407	(81122624)
382872.28	3744773.50	24.76379	(81122924)	382907.88	3744773.50	31.48695	(81122924)
382943.50	3744773.50	32.51308	(81122924)	382979.09	3744773.50	31.30311	(81011324)
383014.72	3744773.50	37.21260	(81010924)	383050.31	3744773.50	36.08548	(81010924)
382551.78	3744796.25	14.72762	(81010724)	382587.38	3744796.25	15.51258	(81010724)
382623.00	3744796.25	16.22462	(81010724)	382658.63	3744796.25	18.97948	(81122624)
382694.22	3744796.25	23.65209	(81122624)	382729.84	3744796.25	27.86320	(81122624)
382765.44	3744796.25	30.85709	(81122624)	382801.06	3744796.25	32.04651	(81122624)
382836.66	3744796.25	30.74110	(81122624)	382872.28	3744796.25	26.74581	(81122624)
382907.88	3744796.25	33.72075	(81122924)	382943.50	3744796.25	35.48812	(81122924)
382979.09	3744796.25	34.04732	(81011324)	383014.72	3744796.25	41.22278	(81010924)
383050.31	3744796.25	39.13778	(81010924)	382551.78	3744819.00	15.42355	(81010724)
382587.38	3744819.00	16.49577	(81010724)	382623.00	3744819.00	17.52926	(81010724)
382658.63	3744819.00	18.38240	(81010724)	382694.22	3744819.00	23.08800	(81122624)
382729.84	3744819.00	28.22351	(81122624)	382765.44	3744819.00	32.45129	(81122624)
382801.06	3744819.00	35.04583	(81122624)	382836.66	3744819.00	35.09977	(81122624)
382872.28	3744819.00	31.84266	(81122624)	382907.88	3744819.00	36.25231	(81122924)
382943.50	3744819.00	38.98196	(81122924)	382979.09	3744819.00	38.07010	(81010924)
383014.72	3744819.00	45.89959	(81010924)	383050.31	3744819.00	42.65203	(81010924)
382551.78	3744841.75	15.91029	(81010724)	382587.38	3744841.75	17.34717	(81010724)
382623.00	3744841.75	18.71536	(81010724)	382658.63	3744841.75	19.98662	(81010724)
382694.22	3744841.75	22.14635	(81122624)	382729.84	3744841.75	28.06334	(81122624)
382765.44	3744841.75	33.53429	(81122624)	382801.06	3744841.75	37.77075	(81122624)
382836.66	3744841.75	39.65596	(81122624)	382872.28	3744841.75	37.69781	(81122624)
382907.88	3744841.75	39.16662	(81122924)	382943.50	3744841.75	43.33936	(81122924)
382979.09	3744841.75	42.98412	(81010924)	383014.72	3744841.75	51.43576	(81010924)
383050.31	3744841.75	46.83554	(81010924)	382551.78	3744864.50	16.07998	(81010724)
382587.38	3744864.50	17.95136	(81010724)	382623.00	3744864.50	19.70705	(81010724)
382658.63	3744864.50	21.39126	(81010724)	382694.22	3744864.50	23.02561	(81010724)

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*** *** 14:35:53
**MODELOPTs: PAGE 164
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	27.41184	(81122624)	382765.44	3744864.50	34.02934	(81122624)
382801.06	3744864.50	39.96167	(81122624)	382836.66	3744864.50	44.11899	(81122624)
382872.28	3744864.50	44.27437	(81122624)	382907.88	3744864.50	42.64669	(81122924)
382943.50	3744864.50	49.00649	(81122924)	382979.09	3744864.50	49.55812	(81010924)
383014.72	3744864.50	57.77687	(81010924)	383050.31	3744864.50	52.03702	(81010924)
382551.78	3744887.00	15.80618	(81010724)	382587.38	3744887.00	18.14700	(81010724)
382623.00	3744887.00	20.38008	(81010724)	382658.63	3744887.00	22.51928	(81010724)
382694.22	3744887.00	24.70049	(81010724)	382729.84	3744887.00	26.88408	(81010724)
382765.44	3744887.00	33.88363	(81122624)	382801.06	3744887.00	41.37516	(81122624)
382836.66	3744887.00	48.06889	(81122624)	382872.28	3744887.00	51.33171	(81122624)
382907.88	3744887.00	47.93361	(81122624)	382943.50	3744887.00	55.93327	(81122924)
382979.09	3744887.00	57.95321	(81010924)	383014.72	3744887.00	65.57104	(81010924)
383050.31	3744887.00	58.75981	(81010924)	382551.78	3744909.75	15.01448	(81010724)
382587.38	3744909.75	17.77972	(81010724)	382623.00	3744909.75	20.58136	(81010724)
382658.63	3744909.75	23.27860	(81010724)	382694.22	3744909.75	25.99420	(81010724)
382729.84	3744909.75	28.95324	(81010724)	382765.44	3744909.75	33.16691	(81122624)
382801.06	3744909.75	41.94033	(81122624)	382836.66	3744909.75	51.13889	(81122624)
382872.28	3744909.75	58.62057	(81122624)	382907.88	3744909.75	58.58371	(81122624)
382943.50	3744909.75	64.54793	(81122924)	382979.09	3744909.75	68.65916	(81011124)
383014.72	3744909.75	76.42245	(81010924)	382551.78	3744932.50	13.77820	(81010724)
382587.38	3744932.50	16.78507	(81010724)	382623.00	3744932.50	20.11878	(81010724)
382658.63	3744932.50	23.48355	(81010724)	382694.22	3744932.50	26.80380	(81010724)
382729.84	3744932.50	30.41083	(81010724)	382765.44	3744932.50	34.59686	(81010724)
382801.06	3744932.50	41.74521	(81122624)	382836.66	3744932.50	52.92097	(81122624)
382872.28	3744932.50	65.29756	(81122624)	382907.88	3744932.50	71.41197	(81122624)
382943.50	3744932.50	75.88710	(81122924)	382979.09	3744932.50	84.52108	(81011124)
383014.72	3744932.50	90.78036	(81010924)	382551.78	3744955.25	13.17295	(81112624)
382587.38	3744955.25	15.25373	(81010724)	382623.00	3744955.25	18.89425	(81010724)
382658.63	3744955.25	22.91489	(81010724)	382694.22	3744955.25	26.97403	(81010724)
382729.84	3744955.25	31.19163	(81010724)	382765.44	3744955.25	36.22986	(81010724)
382801.06	3744955.25	42.44009	(81010724)	382836.66	3744955.25	53.34158	(81122624)
382872.28	3744955.25	70.21474	(81122624)	382907.88	3744955.25	85.86908	(81122624)
382943.50	3744955.25	90.02966	(81122924)	382979.09	3744955.25	94.56033	(81120324)
383014.72	3744955.25	79.64645	(81120324)	382551.78	3744978.00	13.44403	(81112624)
382587.38	3744978.00	14.69111	(81112624)	382623.00	3744978.00	17.03012	(81010724)
382658.63	3744978.00	21.44855	(81010724)	382694.22	3744978.00	26.28986	(81010724)
382729.84	3744978.00	31.23620	(81010724)	382765.44	3744978.00	36.82478	(81010724)
382801.06	3744978.00	44.30579	(81010724)	382836.66	3744978.00	54.02391	(81010724)
382872.28	3744978.00	72.38818	(81122624)	382907.88	3744978.00	99.95110	(81122624)
382943.50	3744978.00	114.27129	(81011124)	382979.09	3744978.00	112.23026	(81010924)

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**MODELOPTs: PAGE 165
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2NX ***
INCLUDING SOURCE(S): L0002497, L0002498, L0002499, L0002500, L0002501, L0002502, L0002503,
L0002504,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	96.49377	(81010924)	382551.78	3745000.75	13.59371	(81112624)
382587.38	3745000.75	14.95875	(81112624)	382623.00	3745000.75	16.47274	(81112624)
382658.63	3745000.75	19.23667	(81010724)	382694.22	3745000.75	24.60732	(81010724)
382729.84	3745000.75	30.42535	(81010724)	382765.44	3745000.75	36.53931	(81010724)
382801.06	3745000.75	44.44246	(81010724)	382836.66	3745000.75	56.31222	(81010724)
382872.28	3745000.75	72.77567	(81010724)	382907.88	3745000.75	110.16522	(81122624)
382943.50	3745000.75	85.56180	(81011124)	382551.78	3745023.25	13.50180	(81112624)
382587.38	3745023.25	15.12744	(81112624)	382623.00	3745023.25	16.78005	(81112624)
382658.63	3745023.25	19.16489	(81112724)	382694.22	3745023.25	22.79809	(81112724)
382729.84	3745023.25	28.66133	(81010724)	382765.44	3745023.25	35.57372	(81010724)
382801.06	3745023.25	43.41055	(81010724)	382836.66	3745023.25	56.66269	(81121324)
382872.28	3745023.25	76.10748	(81010724)	382907.88	3745023.25	107.36977	(81010724)
382551.78	3745046.00	12.96560	(81112624)	382587.38	3745046.00	14.96979	(81112624)
382623.00	3745046.00	17.02216	(81112624)	382658.63	3745046.00	19.06449	(81112624)
382694.22	3745046.00	22.53471	(81112724)	382728.88	3745037.50	27.29283	(81112724)
382764.50	3745037.50	34.43793	(81010724)	382800.09	3745037.50	42.47462	(81121324)
382835.72	3745037.50	59.14794	(81121324)	382871.31	3745037.50	78.84949	(81121324)

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**MODELOPTs: PAGE 166
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***
INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511,
L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	9.33981	(81010724)	382587.38	3744750.75	9.86234	(81010724)
382623.00	3744750.75	10.40413	(81010724)	382658.63	3744750.75	10.95074	(81010724)
382694.22	3744750.75	11.47021	(81010724)	382729.84	3744750.75	12.58403	(81122624)
382765.44	3744750.75	14.23391	(81122624)	382801.06	3744750.75	15.85378	(81122624)
382836.66	3744750.75	17.36847	(81122624)	382872.28	3744750.75	18.64978	(81122624)
382907.88	3744750.75	19.50072	(81122624)	382943.50	3744750.75	19.77079	(81122624)
382979.09	3744750.75	19.53459	(81122624)	383014.72	3744750.75	20.35077	(81122924)
383050.31	3744750.75	24.22072	(81122924)	382551.78	3744773.50	9.46380	(81010724)
382587.38	3744773.50	10.02155	(81010724)	382623.00	3744773.50	10.60627	(81010724)
382658.63	3744773.50	11.20383	(81010724)	382694.22	3744773.50	11.80218	(81010724)
382729.84	3744773.50	12.38591	(81122624)	382765.44	3744773.50	14.16010	(81122624)
382801.06	3744773.50	15.95853	(81122624)	382836.66	3744773.50	17.72835	(81122624)
382872.28	3744773.50	19.35246	(81122624)	382907.88	3744773.50	20.58769	(81122624)
382943.50	3744773.50	21.18917	(81122624)	382979.09	3744773.50	21.10162	(81122624)
383014.72	3744773.50	21.44323	(81122924)	383050.31	3744773.50	25.88094	(81122924)
382551.78	3744796.25	9.57392	(81010724)	382587.38	3744796.25	10.18354	(81010724)

382623.00 3744796.25 10.81533 (81010724) 382658.63 3744796.25 11.45996 (81010724)
382694.22 3744796.25 12.12054 (81010724) 382729.84 3744796.25 12.78227 (81010724)
382765.44 3744796.25 14.02316 (81122624) 382801.06 3744796.25 15.96953 (81122624)
382836.66 3744796.25 17.97022 (81122624) 382872.28 3744796.25 19.94471 (81122624)
382907.88 3744796.25 21.65159 (81122624) 382943.50 3744796.25 22.70564 (81122624)
382979.09 3744796.25 22.91842 (81122624) 383014.72 3744796.25 22.54840 (81122924)
383050.31 3744796.25 27.55718 (81122924) 382551.78 3744819.00 9.64477 (81010724)
382587.38 3744819.00 10.33413 (81010724) 382623.00 3744819.00 11.02922 (81010724)
382658.63 3744819.00 11.72857 (81010724) 382694.22 3744819.00 12.44721 (81010724)
382729.84 3744819.00 13.19217 (81010724) 382765.44 3744819.00 13.93359 (81010724)
382801.06 3744819.00 15.90127 (81122624) 382836.66 3744819.00 18.08950 (81122624)
382872.28 3744819.00 20.38834 (81122624) 382907.88 3744819.00 22.59998 (81122624)
382943.50 3744819.00 24.25764 (81122624) 382979.09 3744819.00 24.96125 (81122624)
383014.72 3744819.00 24.61769 (81122624) 383050.31 3744819.00 29.52148 (81122924)
382551.78 3744841.75 9.64356 (81010724) 382587.38 3744841.75 10.43803 (81010724)
382623.00 3744841.75 11.22226 (81010724) 382658.63 3744841.75 11.99832 (81010724)
382694.22 3744841.75 12.78713 (81010724) 382729.84 3744841.75 13.60924 (81010724)
382765.44 3744841.75 14.46152 (81010724) 382801.06 3744841.75 15.78079 (81122624)
382836.66 3744841.75 18.10488 (81122624) 382872.28 3744841.75 20.66914 (81122624)
382907.88 3744841.75 23.37144 (81122624) 382943.50 3744841.75 25.77419 (81122624)
382979.09 3744841.75 27.16555 (81122624) 383014.72 3744841.75 27.26521 (81122624)
383050.31 3744841.75 31.40564 (81122924) 382551.78 3744864.50 9.54073 (81010724)
382587.38 3744864.50 10.45136 (81010724) 382623.00 3744864.50 11.35136 (81010724)
382658.63 3744864.50 12.23723 (81010724) 382694.22 3744864.50 13.12355 (81010724)
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 167
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***
INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511,
L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 14.03768 (81010724) 382765.44 3744864.50 14.99876 (81010724)
382801.06 3744864.50 16.00022 (81010724) 382836.66 3744864.50 18.04652 (81122624)
382872.28 3744864.50 20.79109 (81122624) 382907.88 3744864.50 23.91514 (81122624)
382943.50 3744864.50 27.11403 (81122624) 382979.09 3744864.50 29.53900 (81122624)
383014.72 3744864.50 30.37615 (81122624) 383050.31 3744864.50 33.29895 (81122924)
382551.78 3744887.00 9.31866 (81010724) 382587.38 3744887.00 10.34231 (81010724)
382623.00 3744887.00 11.37345 (81010724) 382658.63 3744887.00 12.39599 (81010724)
382694.22 3744887.00 13.41221 (81010724) 382729.84 3744887.00 14.44667 (81010724)
382765.44 3744887.00 15.53071 (81010724) 382801.06 3744887.00 16.68775 (81010724)
382836.66 3744887.00 17.96781 (81122624) 382872.28 3744887.00 20.80744 (81122624)
382907.88 3744887.00 24.22548 (81122624) 382943.50 3744887.00 28.13876 (81122624)
382979.09 3744887.00 31.78714 (81122624) 383014.72 3744887.00 33.82088 (81122624)
383050.31 3744887.00 35.16680 (81122924) 382551.78 3744909.75 8.96982 (81010724)
382587.38 3744909.75 10.09212 (81010724) 382623.00 3744909.75 11.25439 (81010724)
382658.63 3744909.75 12.42924 (81010724) 382694.22 3744909.75 13.60443 (81010724)
382729.84 3744909.75 14.79412 (81010724) 382765.44 3744909.75 16.03112 (81010724)
382801.06 3744909.75 17.36149 (81010724) 382836.66 3744909.75 18.80412 (81010724)
382872.28 3744909.75 20.78430 (81122624) 382907.88 3744909.75 24.35262 (81122624)
382943.50 3744909.75 28.84132 (81122624) 382979.09 3744909.75 33.77147 (81122624)
383014.72 3744909.75 37.65038 (81122624) 382551.78 3744932.50 8.51027 (81010724)
382587.38 3744932.50 9.70332 (81010724) 382623.00 3744932.50 10.97781 (81010724)
382658.63 3744932.50 12.30030 (81010724) 382694.22 3744932.50 13.64563 (81010724)
382729.84 3744932.50 15.01421 (81010724) 382765.44 3744932.50 16.43179 (81010724)
382801.06 3744932.50 17.95621 (81010724) 382836.66 3744932.50 19.64626 (81010724)
382872.28 3744932.50 21.52353 (81010724) 382907.88 3744932.50 24.38028 (81122624)
382943.50 3744932.50 29.19790 (81122624) 382979.09 3744932.50 35.25695 (81122624)
383014.72 3744932.50 41.25878 (81122624) 382551.78 3744955.25 8.44803 (81112624)
382587.38 3744955.25 9.19596 (81010724) 382623.00 3744955.25 10.55203 (81010724)
382658.63 3744955.25 12.00077 (81010724) 382694.22 3744955.25 13.50822 (81010724)
382729.84 3744955.25 15.06084 (81010724) 382765.44 3744955.25 16.67217 (81010724)
382801.06 3744955.25 18.40186 (81010724) 382836.66 3744955.25 20.33825 (81010724)
382872.28 3744955.25 22.57843 (81010724) 382907.88 3744955.25 25.13581 (81010724)
382943.50 3744955.25 29.31262 (81122624) 382979.09 3744955.25 36.24344 (81122624)
383014.72 3744955.25 44.53205 (81122624) 382551.78 3744978.00 8.52178 (81112624)
382587.38 3744978.00 9.12360 (81112624) 382623.00 3744978.00 10.00300 (81010724)
382658.63 3744978.00 11.54767 (81010724) 382694.22 3744978.00 13.19612 (81010724)
382729.84 3744978.00 14.92194 (81010724) 382765.44 3744978.00 16.72259 (81010724)
382801.06 3744978.00 18.65093 (81010724) 382836.66 3744978.00 20.81138 (81010724)
382872.28 3744978.00 23.36589 (81010724) 382907.88 3744978.00 26.46595 (81010724)
382943.50 3744978.00 30.13852 (81010724) 382979.09 3744978.00 36.72199 (81122624)
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 168
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3NX ***
INCLUDING SOURCE(S): L0002505, L0002506, L0002507, L0002508, L0002509, L0002510, L0002511,
L0002512,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

383014.72 3744978.00 46.82436 (81122624) 382551.78 3745000.75 8.54267 (81112624)
382587.38 3745000.75 9.20300 (81112624) 382623.00 3745000.75 9.90740 (81112624)
382658.63 3745000.75 10.97126 (81010724) 382694.22 3745000.75 12.73653 (81010724)
382729.84 3745000.75 14.62030 (81010724) 382765.44 3745000.75 16.59928 (81010724)
382801.06 3745000.75 18.70886 (81010724) 382836.66 3745000.75 21.05384 (81010724)
382872.28 3745000.75 23.83844 (81010724) 382907.88 3745000.75 27.34374 (81010724)
382943.50 3745000.75 31.83567 (81010724) 382551.78 3745023.25 8.49513 (81112624)
382587.38 3745023.25 9.22821 (81112624) 382623.00 3745023.25 10.00197 (81112624)
382658.63 3745023.25 10.83242 (81112624) 382694.22 3745023.25 12.16647 (81010724)
382729.84 3745023.25 14.19864 (81010724) 382765.44 3745023.25 16.35504 (81010724)
382801.06 3745023.25 18.63935 (81010724) 382836.66 3745023.25 21.13539 (81010724)
382872.28 3745023.25 24.06057 (81010724) 382907.88 3745023.25 27.77174 (81010724)
382551.78 3745046.00 8.34953 (81112624) 382587.38 3745046.00 9.17064 (81112624)
382623.00 3745046.00 10.03753 (81112624) 382658.63 3745046.00 10.95703 (81112624)
382694.22 3745046.00 12.00353 (81112724) 382728.88 3745037.50 13.81897 (81010724)
382764.50 3745037.50 16.09739 (81010724) 382800.09 3745037.50 18.50140 (81010724)
382835.72 3745037.50 21.09345 (81010724) 382871.31 3745037.50 24.06369 (81010724)
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 169
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382551.78 3744750.75 5.73299 (81010724) 382587.38 3744750.75 6.45182 (81010724)
382623.00 3744750.75 7.27206 (81010724) 382658.63 3744750.75 8.18418 (81010724)
382694.22 3744750.75 9.16331 (81010724) 382729.84 3744750.75 10.15908 (81010724)
382765.44 3744750.75 11.08764 (81010724) 382801.06 3744750.75 11.81032 (81010724)
382836.66 3744750.75 14.97642 (81122624) 382872.28 3744750.75 19.71439 (81122624)
382907.88 3744750.75 24.10240 (81122624) 382943.50 3744750.75 26.21587 (81122624)
382979.09 3744750.75 23.80567 (81122624) 383014.72 3744750.75 22.29989 (81122924)
383050.31 3744750.75 29.27870 (81122924) 382551.78 3744773.50 5.50443 (81010724)
382587.38 3744773.50 6.25905 (81010724) 382623.00 3744773.50 7.14717 (81010724)
382658.63 3744773.50 8.15306 (81010724) 382694.22 3744773.50 9.27636 (81010724)
382729.84 3744773.50 10.49404 (81010724) 382765.44 3744773.50 11.75388 (81010724)
382801.06 3744773.50 12.95515 (81010724) 382836.66 3744773.50 13.87014 (81010724)
382872.28 3744773.50 19.14363 (81122624) 382907.88 3744773.50 24.93868 (81122624)
382943.50 3744773.50 29.44008 (81122624) 382979.09 3744773.50 29.57826 (81122624)
383014.72 3744773.50 23.53267 (81122924) 383050.31 3744773.50 33.03009 (81122924)
382551.78 3744796.25 5.17902 (81112624) 382587.38 3744796.25 5.94490 (81010724)
382623.00 3744796.25 6.87191 (81010724) 382658.63 3744796.25 7.94615 (81010724)
382694.22 3744796.25 9.17813 (81010724) 382729.84 3744796.25 10.58003 (81010724)
382765.44 3744796.25 12.13324 (81010724) 382801.06 3744796.25 13.78981 (81010724)
382836.66 3744796.25 15.38298 (81010724) 382872.28 3744796.25 17.97369 (81122624)
382907.88 3744796.25 24.92075 (81122624) 382943.50 3744796.25 31.85954 (81122624)
382979.09 3744796.25 35.65356 (81122624) 383014.72 3744796.25 31.41628 (81122624)
383050.31 3744796.25 37.56488 (81122924) 382551.78 3744819.00 5.30413 (81112624)
382587.38 3744819.00 5.70465 (81112624) 382623.00 3744819.00 6.45815 (81010724)
382658.63 3744819.00 7.56283 (81010724) 382694.22 3744819.00 8.86021 (81010724)
382729.84 3744819.00 10.39164 (81010724) 382765.44 3744819.00 12.16743 (81010724)
382801.06 3744819.00 14.19616 (81010724) 382836.66 3744819.00 16.41928 (81010724)
382872.28 3744819.00 18.63935 (81010724) 382907.88 3744819.00 23.90950 (81122624)
382943.50 3744819.00 33.00540 (81122624) 382979.09 3744819.00 41.14527 (81122624)
383014.72 3744819.00 41.92683 (81122624) 383050.31 3744819.00 43.14830 (81122924)
382551.78 3744841.75 5.30115 (81112624) 382587.38 3744841.75 5.79084 (81112624)
382623.00 3744841.75 6.32049 (81112624) 382658.63 3744841.75 7.02040 (81010724)
382694.22 3744841.75 8.33351 (81010724) 382729.84 3744841.75 9.91966 (81010724)
382765.44 3744841.75 11.82750 (81010724) 382801.06 3744841.75 14.12463 (81010724)
382836.66 3744841.75 16.84421 (81010724) 382872.28 3744841.75 19.94768 (81010724)
382907.88 3744841.75 23.20435 (81010724) 382943.50 3744841.75 32.72712 (81122624)
382979.09 3744841.75 44.89287 (81122624) 383014.72 3744841.75 53.88198 (81122624)
383050.31 3744841.75 50.23156 (81122924) 382551.78 3744864.50 5.18963 (81112624)
382587.38 3744864.50 5.73774 (81112624) 382623.00 3744864.50 6.34478 (81112624)
382658.63 3744864.50 7.00990 (81112624) 382694.22 3744864.50 7.73631 (81112624)
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**MODELOPTs: PAGE 170
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 9.21272 (81010724) 382765.44 3744864.50 11.15851 (81010724)
382801.06 3744864.50 13.57619 (81010724) 382836.66 3744864.50 16.58302 (81010724)
382872.28 3744864.50 20.30760 (81010724) 382907.88 3744864.50 24.82344 (81010724)
382943.50 3744864.50 31.01101 (81122624) 382979.09 3744864.50 46.92505 (81122624)
383014.72 3744864.50 65.44846 (81122624) 383050.31 3744864.50 50.37976 (81021124)
382551.78 3744887.00 4.99078 (81112624) 382587.38 3744887.00 5.56814 (81112624)
382623.00 3744887.00 6.21983 (81112624) 382658.63 3744887.00 6.95634 (81112624)
382694.22 3744887.00 7.78951 (81112624) 382729.84 3744887.00 8.73524 (81112624)
382765.44 3744887.00 10.23854 (81010724) 382801.06 3744887.00 12.64650 (81010724)
382836.66 3744887.00 15.73325 (81010724) 382872.28 3744887.00 19.74325 (81010724)
382907.88 3744887.00 24.98735 (81010724) 382943.50 3744887.00 31.90323 (81010724)
382979.09 3744887.00 46.22063 (81122624) 383014.72 3744887.00 73.59537 (81122624)
383050.31 3744887.00 39.23755 (81122624) 382551.78 3744909.75 4.72184 (81112624)
382587.38 3744909.75 5.30589 (81112624) 382623.00 3744909.75 5.97536 (81112624)
382658.63 3744909.75 6.74622 (81112624) 382694.22 3744909.75 7.63868 (81112624)
382729.84 3744909.75 8.67407 (81112624) 382765.44 3744909.75 9.89610 (81112624)
382801.06 3744909.75 11.43898 (81010724) 382836.66 3744909.75 14.44516 (81010724)
382872.28 3744909.75 18.46069 (81010724) 382907.88 3744909.75 23.94368 (81010724)
382943.50 3744909.75 31.66580 (81010724) 382979.09 3744909.75 42.96345 (81010724)
383014.72 3744909.75 53.09875 (81122624) 382551.78 3744932.50 4.55267 (81120424)
382587.38 3744932.50 4.97608 (81112624) 382623.00 3744932.50 5.63961 (81112624)
382658.63 3744932.50 6.41245 (81112624) 382694.22 3744932.50 7.31969 (81112624)
382729.84 3744932.50 8.39837 (81112624) 382765.44 3744932.50 9.69543 (81112624)
382801.06 3744932.50 11.28172 (81112624) 382836.66 3744932.50 13.25420 (81112624)
382872.28 3744932.50 16.71811 (81010724) 382907.88 3744932.50 22.05799 (81010724)
382943.50 3744932.50 29.78815 (81010724) 382979.09 3744932.50 41.38549 (81010724)
383014.72 3744932.50 60.22499 (81121324) 382551.78 3744955.25 4.57536 (81120424)
382587.38 3744955.25 4.93549 (81120424) 382623.00 3744955.25 5.34902 (81120424)
382658.63 3744955.25 5.99067 (81112624) 382694.22 3744955.25 6.87912 (81112624)
382729.84 3744955.25 7.94504 (81112624) 382765.44 3744955.25 9.24214 (81112624)
382801.06 3744955.25 10.85459 (81112624) 382836.66 3744955.25 12.90243 (81112624)
382872.28 3744955.25 15.70814 (81112724) 382907.88 3744955.25 19.94420 (81112724)
382943.50 3744955.25 27.15471 (81010724) 382979.09 3744955.25 38.71421 (81010724)
383014.72 3744955.25 53.31273 (81010724) 382551.78 3744978.00 4.47040 (81120424)
382587.38 3744978.00 4.84250 (81120424) 382623.00 3744978.00 5.27335 (81120424)
382658.63 3744978.00 5.77875 (81120424) 382694.22 3744978.00 6.38106 (81120424)
382729.84 3744978.00 7.38466 (81112624) 382765.44 3744978.00 8.63527 (81112624)
382801.06 3744978.00 10.20074 (81112624) 382836.66 3744978.00 12.21188 (81112624)
382872.28 3744978.00 14.88917 (81112624) 382907.88 3744978.00 18.97614 (81112724)
382943.50 3744978.00 25.35591 (81112724) 382979.09 3744978.00 36.27221 (81010724)
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 171
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4NX ***
INCLUDING SOURCE(S): L0002513, L0002514, L0002515, L0002516, L0002517,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

383014.72	3744978.00	48.19357	(81010724)	382551.78	3745000.75	4.26884	(81120424)
382587.38	3745000.75	4.64025	(81120424)	382623.00	3745000.75	5.07362	(81120424)
382658.63	3745000.75	5.58688	(81120424)	382694.22	3745000.75	6.20571	(81120424)
382729.84	3745000.75	6.97922	(81120424)	382765.44	3745000.75	7.95261	(81120424)
382801.06	3745000.75	9.39139	(81112624)	382836.66	3745000.75	11.27592	(81112624)
382872.28	3745000.75	13.79021	(81112624)	382907.88	3745000.75	17.58336	(81112724)
382943.50	3745000.75	23.59958	(81112724)	382551.78	3745023.25	4.00930	(81120424)
382587.38	3745023.25	4.37368	(81120424)	382623.00	3745023.25	4.80234	(81120424)
382658.63	3745023.25	5.36361	(81120624)	382694.22	3745023.25	6.04936	(81120624)
382729.84	3745023.25	6.87283	(81120624)	382765.44	3745023.25	7.87085	(81120624)
382801.06	3745023.25	9.53120	(81102024)	382836.66	3745023.25	11.70519	(81102024)
382872.28	3745023.25	14.56698	(81102024)	382907.88	3745023.25	18.56116	(81102024)
382551.78	3745046.00	4.10496	(81120624)	382587.38	3745046.00	4.52983	(81120624)
382623.00	3745046.00	5.02191	(81120624)	382658.63	3745046.00	5.59487	(81120624)
382694.22	3745046.00	6.26605	(81120624)	382728.88	3745037.50	6.99391	(81120624)
382764.50	3745037.50	8.26934	(81102024)	382800.09	3745037.50	9.95259	(81102024)
382835.72	3745037.50	12.09746	(81102024)	382871.31	3745037.50	14.89589	(81102024)

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*** *** 14:35:53
**MODELOPTs: PAGE 172
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	1.52229	(81122624)	382587.38	3744750.75	1.77387	(81122624)
382623.00	3744750.75	1.99426	(81122624)	382658.63	3744750.75	2.13583	(81122624)
382694.22	3744750.75	2.15772	(81122624)	382729.84	3744750.75	2.05238	(81122624)
382765.44	3744750.75	1.86525	(81122624)	382801.06	3744750.75	2.25562	(81122924)
382836.66	3744750.75	2.72273	(81122924)	382872.28	3744750.75	2.86505	(81122924)
382907.88	3744750.75	2.69242	(81122924)	382943.50	3744750.75	2.60408	(81011124)
382979.09	3744750.75	2.71886	(81010924)	383014.72	3744750.75	2.68971	(81010924)
383050.31	3744750.75	2.65222	(81120324)	382551.78	3744773.50	1.47316	(81122624)
382587.38	3744773.50	1.76106	(81122624)	382623.00	3744773.50	2.04160	(81122624)
382658.63	3744773.50	2.25046	(81122624)	382694.22	3744773.50	2.33451	(81122624)
382729.84	3744773.50	2.26638	(81122624)	382765.44	3744773.50	2.08117	(81122624)
382801.06	3744773.50	2.33037	(81122924)	382836.66	3744773.50	2.87535	(81122924)
382872.28	3744773.50	3.07593	(81122924)	382907.88	3744773.50	2.89212	(81122924)
382943.50	3744773.50	2.79234	(81011124)	382979.09	3744773.50	2.94141	(81010924)
383014.72	3744773.50	2.88861	(81010924)	383050.31	3744773.50	2.84338	(81120324)
382551.78	3744796.25	1.43972	(81010724)	382587.38	3744796.25	1.72246	(81122624)
382623.00	3744796.25	2.06050	(81122624)	382658.63	3744796.25	2.34772	(81122624)
382694.22	3744796.25	2.51060	(81122624)	382729.84	3744796.25	2.50168	(81122624)
382765.44	3744796.25	2.33305	(81122624)	382801.06	3744796.25	2.40676	(81122924)
382836.66	3744796.25	3.04253	(81122924)	382872.28	3744796.25	3.30971	(81122924)
382907.88	3744796.25	3.13573	(81122924)	382943.50	3744796.25	3.01786	(81011124)
382979.09	3744796.25	3.18669	(81010924)	383014.72	3744796.25	3.10346	(81010924)
383050.31	3744796.25	3.11076	(81120324)	382551.78	3744819.00	1.52490	(81010724)
382587.38	3744819.00	1.65947	(81122624)	382623.00	3744819.00	2.04862	(81122624)
382658.63	3744819.00	2.41920	(81122624)	382694.22	3744819.00	2.68006	(81122624)
382729.84	3744819.00	2.75905	(81122624)	382765.44	3744819.00	2.62726	(81122624)
382801.06	3744819.00	2.49707	(81122924)	382836.66	3744819.00	3.22375	(81122924)
382872.28	3744819.00	3.57511	(81122924)	382907.88	3744819.00	3.43528	(81122924)
382943.50	3744819.00	3.28621	(81011124)	382979.09	3744819.00	3.47996	(81010924)
383014.72	3744819.00	3.38330	(81010924)	383050.31	3744819.00	3.21040	(81120324)
382551.78	3744841.75	1.59504	(81010724)	382587.38	3744841.75	1.68519	(81010724)
382623.00	3744841.75	2.00263	(81122624)	382658.63	3744841.75	2.45188	(81122624)
382694.22	3744841.75	2.82809	(81122624)	382729.84	3744841.75	3.02146	(81122624)
382765.44	3744841.75	2.96123	(81122624)	382801.06	3744841.75	2.70510	(81122624)
382836.66	3744841.75	3.43290	(81122924)	382872.28	3744841.75	3.89061	(81122924)
382907.88	3744841.75	3.77842	(81122924)	382943.50	3744841.75	3.63432	(81011124)
382979.09	3744841.75	3.81099	(81010924)	383014.72	3744841.75	3.67315	(81010924)
383050.31	3744841.75	3.55870	(81120324)	382551.78	3744864.50	1.65125	(81010724)
382587.38	3744864.50	1.78879	(81010724)	382623.00	3744864.50	1.91766	(81122624)
382658.63	3744864.50	2.43670	(81122624)	382694.22	3744864.50	2.93804	(81122624)

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*** *** 14:35:53
**MODELOPTs: PAGE 173
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	3.28176	(81122624)	382765.44	3744864.50	3.34128	(81122624)
382801.06	3744864.50	3.11694	(81122624)	382836.66	3744864.50	3.70642	(81122924)
382872.28	3744864.50	4.25818	(81122924)	382907.88	3744864.50	4.20702	(81122924)
382943.50	3744864.50	4.07464	(81011124)	382979.09	3744864.50	4.28849	(81010924)
383014.72	3744864.50	4.05214	(81010924)	383050.31	3744864.50	3.67040	(81010624)
382551.78	3744887.00	1.69539	(81010724)	382587.38	3744887.00	1.87938	(81010724)
382623.00	3744887.00	2.04391	(81010724)	382658.63	3744887.00	2.38176	(81122624)
382694.22	3744887.00	3.01202	(81122624)	382729.84	3744887.00	3.54763	(81122624)
382765.44	3744887.00	3.77870	(81122624)	382801.06	3744887.00	3.63184	(81122624)
382836.66	3744887.00	4.02696	(81122924)	382872.28	3744887.00	4.71276	(81122924)
382907.88	3744887.00	4.75221	(81122924)	382943.50	3744887.00	4.65770	(81010924)
382979.09	3744887.00	4.69097	(81010924)	383014.72	3744887.00	4.60111	(81010924)
383050.31	3744887.00	4.14999	(81010924)	382551.78	3744909.75	1.72396	(81010724)
382587.38	3744909.75	1.94668	(81010724)	382623.00	3744909.75	2.17316	(81010724)
382658.63	3744909.75	2.36601	(81010724)	382694.22	3744909.75	3.01187	(81122624)
382729.84	3744909.75	3.76369	(81122624)	382765.44	3744909.75	4.25683	(81122624)
382801.06	3744909.75	4.27683	(81122624)	382836.66	3744909.75	4.40700	(81122924)
382872.28	3744909.75	5.35418	(81122924)	382907.88	3744909.75	5.36269	(81122924)
382943.50	3744909.75	5.33895	(81010924)	382979.09	3744909.75	5.13799	(81010924)
383014.72	3744909.75	4.25785	(81010924)	382551.78	3744932.50	1.72052	(81010724)
382587.38	3744932.50	1.97321	(81010724)	382623.00	3744932.50	2.25684	(81010724)
382658.63	3744932.50	2.54095	(81010724)	382694.22	3744932.50	2.89796	(81122624)
382729.84	3744932.50	3.85519	(81122624)	382765.44	3744932.50	4.66834	(81122624)
382801.06	3744932.50	4.96901	(81122624)	382836.66	3744932.50	4.70952	(81122924)
382872.28	3744932.50	6.02653	(81122924)	382907.88	3744932.50	6.16471	(81122924)
382943.50	3744932.50	4.92778	(81010924)	382979.09	3744932.50	4.04198	(81010924)
383014.72	3744932.50	4.12460	(81110224)	382551.78	3744955.25	1.68704	(81010724)
382587.38	3744955.25	1.96401	(81010724)	382623.00	3744955.25	2.29571	(81010724)
382658.63	3744955.25	2.67053	(81010724)	382694.22	3744955.25	3.03522	(81010724)
382729.84	3744955.25	3.81958	(81122624)	382765.44	3744955.25	5.00267	(81122624)
382801.06	3744955.25	5.70592	(81122624)	382836.66	3744955.25	5.61563	(81122624)
382872.28	3744955.25	6.41846	(81122924)	382907.88	3744955.25	5.51975	(81122924)
382943.50	3744955.25	5.66604	(81010924)	382979.09	3744955.25	4.65854	(81010924)
383014.72	3744955.25	3.39164	(81110224)	382551.78	3744978.00	1.61527	(81010724)
382587.38	3744978.00	1.90600	(81010724)	382623.00	3744978.00	2.27137	(81010724)
382658.63	3744978.00	2.72511	(81010724)	382694.22	3744978.00	3.24268	(81010724)
382729.84	3744978.00	3.73025	(81010724)	382765.44	3744978.00	5.18580	(81122624)
382801.06	3744978.00	6.43583	(81122624)	382836.66	3744978.00	6.91393	(81122624)
382872.28	3744978.00	7.35465	(81122924)	382907.88	3744978.00	6.16799	(81010924)
382943.50	3744978.00	6.74470	(81010924)	382979.09	3744978.00	5.41064	(81010924)

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**MODELOPTs: PAGE 174
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST1PM ***
INCLUDING SOURCE(S): L0002683, L0002684, L0002685, L0002686, L0002687, L0002688, L0002689,
L0002690, L0002691, L0002692, L0002693, L0002694, L0002695, L0002696, L0002697, L0002812, L0002813, L0002814, L0002815,
L0002816, L0002817, L0002818, L0002819, L0002820, L0002821, L0002822, L0002823, L0002824, L0002825, L0002826,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	3.79773	(81010924)	382551.78	3745000.75	1.54569	(81112624)
382587.38	3745000.75	1.80489	(81010724)	382623.00	3745000.75	2.18791	(81010724)
382658.63	3745000.75	2.68150	(81010724)	382694.22	3745000.75	3.32570	(81010724)
382729.84	3745000.75	4.08119	(81010724)	382765.44	3745000.75	5.11091	(81122624)
382801.06	3745000.75	7.09487	(81122624)	382836.66	3745000.75	8.32808	(81122624)
382872.28	3745000.75	6.48569	(81122924)	382907.88	3745000.75	5.58058	(81122924)
382943.50	3745000.75	5.99157	(81010924)	382551.78	3745023.25	1.51439	(81112624)
382587.38	3745023.25	1.75077	(81112624)	382623.00	3745023.25	2.03177	(81112624)
382658.63	3745023.25	2.54529	(81010724)	382694.22	3745023.25	3.25118	(81010724)
382729.84	3745023.25	4.23048	(81010724)	382765.44	3745023.25	5.31851	(81010724)
382801.06	3745023.25	7.60206	(81122624)	382836.66	3745023.25	7.30826	(81122624)
382872.28	3745023.25	7.07039	(81122924)	382907.88	3745023.25	6.97258	(81011724)
382551.78	3745046.00	1.43407	(81112624)	382587.38	3745046.00	1.67782	(81112624)
382623.00	3745046.00	1.99356	(81112624)	382658.63	3745046.00	2.39843	(81112624)
382694.22	3745046.00	3.00894	(81010724)	382728.88	3745037.50	4.13520	(81010724)
382764.50	3745037.50	5.55121	(81010724)	382800.09	3745037.50	6.83239	(81010724)
382835.72	3745037.50	8.42380	(81122624)	382871.31	3745037.50	8.11999	(81122624)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 175
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	2.66906	(81010724)	382587.38	3744750.75	2.73288	(81010724)
382623.00	3744750.75	3.38075	(81122624)	382658.63	3744750.75	4.15182	(81122624)
382694.22	3744750.75	4.84246	(81122624)	382729.84	3744750.75	5.32207	(81122624)
382765.44	3744750.75	5.49945	(81122624)	382801.06	3744750.75	5.31088	(81122624)
382836.66	3744750.75	4.72015	(81122624)	382872.28	3744750.75	4.92832	(81122924)
382907.88	3744750.75	6.10170	(81122924)	382943.50	3744750.75	6.18900	(81122924)
382979.09	3744750.75	5.97940	(81011324)	383014.72	3744750.75	6.97512	(81010924)
383050.31	3744750.75	6.90004	(81010924)	382551.78	3744773.50	2.85107	(81010724)
382587.38	3744773.50	2.96353	(81010724)	382623.00	3744773.50	3.20367	(81122624)
382658.63	3744773.50	4.05537	(81122624)	382694.22	3744773.50	4.89139	(81122624)
382729.84	3744773.50	5.56369	(81122624)	382765.44	3744773.50	5.94922	(81122624)
382801.06	3744773.50	5.95648	(81122624)	382836.66	3744773.50	5.49590	(81122624)
382872.28	3744773.50	5.10981	(81122924)	382907.88	3744773.50	6.50596	(81122924)
382943.50	3744773.50	6.72794	(81122924)	382979.09	3744773.50	6.47886	(81011324)
383014.72	3744773.50	7.69759	(81010924)	383050.31	3744773.50	7.46861	(81010924)
382551.78	3744796.25	3.01881	(81010724)	382587.38	3744796.25	3.18151	(81010724)
382623.00	3744796.25	3.33008	(81010724)	382658.63	3744796.25	3.89552	(81122624)
382694.22	3744796.25	4.85907	(81122624)	382729.84	3744796.25	5.73019	(81122624)
382765.44	3744796.25	6.35330	(81122624)	382801.06	3744796.25	6.60668	(81122624)
382836.66	3744796.25	6.34589	(81122624)	382872.28	3744796.25	5.52853	(81122624)
382907.88	3744796.25	6.97819	(81122924)	382943.50	3744796.25	7.35568	(81122924)
382979.09	3744796.25	7.05973	(81011324)	383014.72	3744796.25	8.54297	(81010924)
383050.31	3744796.25	8.11648	(81010924)	382551.78	3744819.00	3.16262	(81010724)
382587.38	3744819.00	3.38464	(81010724)	382623.00	3744819.00	3.59968	(81010724)
382658.63	3744819.00	3.77835	(81010724)	382694.22	3744819.00	4.74558	(81122624)
382729.84	3744819.00	5.80800	(81122624)	382765.44	3744819.00	6.68695	(81122624)
382801.06	3744819.00	7.23230	(81122624)	382836.66	3744819.00	7.25479	(81122624)
382872.28	3744819.00	6.59207	(81122624)	382907.88	3744819.00	7.51480	(81122924)
382943.50	3744819.00	8.09543	(81122924)	382979.09	3744819.00	7.89724	(81010924)
383014.72	3744819.00	9.53305	(81010924)	383050.31	3744819.00	8.86649	(81010924)
382551.78	3744841.75	3.26362	(81010724)	382587.38	3744841.75	3.56100	(81010724)
382623.00	3744841.75	3.84531	(81010724)	382658.63	3744841.75	4.11061	(81010724)
382694.22	3744841.75	4.55439	(81122624)	382729.84	3744841.75	5.77865	(81122624)
382765.44	3744841.75	6.91573	(81122624)	382801.06	3744841.75	7.80327	(81122624)
382836.66	3744841.75	8.20846	(81122624)	382872.28	3744841.75	7.81827	(81122624)
382907.88	3744841.75	8.13469	(81122924)	382943.50	3744841.75	9.02293	(81122924)
382979.09	3744841.75	8.93418	(81010924)	383014.72	3744841.75	10.71117	(81010924)
383050.31	3744841.75	9.76485	(81010924)	382551.78	3744864.50	3.29971	(81010724)
382587.38	3744864.50	3.68678	(81010724)	382623.00	3744864.50	4.05125	(81010724)
382658.63	3744864.50	4.40225	(81010724)	382694.22	3744864.50	4.74452	(81010724)

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**MODELOPTs: PAGE 176
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***

INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	5.64811	(81122624)	382765.44	3744864.50	7.02368	(81122624)
382801.06	3744864.50	8.26536	(81122624)	382836.66	3744864.50	9.14659	(81122624)
382872.28	3744864.50	9.20103	(81122624)	382907.88	3744864.50	8.87795	(81122924)
382943.50	3744864.50	10.23593	(81122924)	382979.09	3744864.50	10.33279	(81010924)
383014.72	3744864.50	12.07031	(81010924)	383050.31	3744864.50	10.88947	(81010924)
382551.78	3744887.00	3.24479	(81010724)	382587.38	3744887.00	3.72866	(81010724)
382623.00	3744887.00	4.19178	(81010724)	382658.63	3744887.00	4.63727	(81010724)
382694.22	3744887.00	5.09351	(81010724)	382729.84	3744887.00	5.55283	(81010724)
382765.44	3744887.00	6.99927	(81122624)	382801.06	3744887.00	8.56728	(81122624)
382836.66	3744887.00	9.98164	(81122624)	382872.28	3744887.00	10.69169	(81122624)
382907.88	3744887.00	10.01525	(81122624)	382943.50	3744887.00	11.72560	(81122924)
382979.09	3744887.00	12.13244	(81010924)	383014.72	3744887.00	13.75021	(81010924)
383050.31	3744887.00	12.35424	(81010924)	382551.78	3744909.75	3.08346	(81010724)
382587.38	3744909.75	3.65483	(81010724)	382623.00	3744909.75	4.23538	(81010724)
382658.63	3744909.75	4.79658	(81010724)	382694.22	3744909.75	5.36432	(81010724)
382729.84	3744909.75	5.98595	(81010724)	382765.44	3744909.75	6.85677	(81122624)
382801.06	3744909.75	8.69384	(81122624)	382836.66	3744909.75	10.63691	(81122624)
382872.28	3744909.75	12.24043	(81122624)	382907.88	3744909.75	12.28255	(81122624)
382943.50	3744909.75	13.58843	(81122924)	382979.09	3744909.75	14.40622	(81011124)
383014.72	3744909.75	16.11699	(81010924)	382551.78	3744932.50	2.83069	(81010724)
382587.38	3744932.50	3.45195	(81010724)	382623.00	3744932.50	4.14238	(81010724)
382658.63	3744932.50	4.84180	(81010724)	382694.22	3744932.50	5.53552	(81010724)
382729.84	3744932.50	6.29326	(81010724)	382765.44	3744932.50	7.17753	(81010724)
382801.06	3744932.50	8.66284	(81122624)	382836.66	3744932.50	11.02631	(81122624)
382872.28	3744932.50	13.67234	(81122624)	382907.88	3744932.50	15.03428	(81122624)
382943.50	3744932.50	16.06106	(81122924)	382979.09	3744932.50	17.84107	(81011124)
383014.72	3744932.50	19.28795	(81010924)	382551.78	3744955.25	2.70284	(81112624)
382587.38	3744955.25	3.13852	(81010724)	382623.00	3744955.25	3.89240	(81010724)
382658.63	3744955.25	4.72756	(81010724)	382694.22	3744955.25	5.57481	(81010724)
382729.84	3744955.25	6.46077	(81010724)	382765.44	3744955.25	7.52563	(81010724)
382801.06	3744955.25	8.84738	(81010724)	382836.66	3744955.25	11.13261	(81122624)
382872.28	3744955.25	14.74556	(81122624)	382907.88	3744955.25	18.16747	(81122624)
382943.50	3744955.25	19.18834	(81122924)	382979.09	3744955.25	19.94083	(81120324)
383014.72	3744955.25	16.83380	(81120324)	382551.78	3744978.00	2.75865	(81112624)
382587.38	3744978.00	3.01784	(81112624)	382623.00	3744978.00	3.51043	(81010724)
382658.63	3744978.00	4.42802	(81010724)	382694.22	3744978.00	5.43758	(81010724)
382729.84	3744978.00	6.47584	(81010724)	382765.44	3744978.00	7.65817	(81010724)
382801.06	3744978.00	9.25210	(81010724)	382836.66	3744978.00	11.34296	(81010724)
382872.28	3744978.00	15.24873	(81122624)	382907.88	3744978.00	21.26891	(81122624)
382943.50	3744978.00	24.50300	(81122624)	382979.09	3744978.00	24.16479	(81010924)

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*** *** 14:35:53
**MODELOPTs: PAGE 177
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST2PM ***
INCLUDING SOURCE(S): L0002698, L0002699, L0002700, L0002701, L0002702, L0002703, L0002704,
L0002705, L0002827, L0002828, L0002829, L0002830, L0002831, L0002832, L0002833, L0002834,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	20.65993	(81010924)	382551.78	3745000.75	2.78957	(81112624)
382587.38	3745000.75	3.07313	(81112624)	382623.00	3745000.75	3.38859	(81112624)
382658.63	3745000.75	3.97430	(81010724)	382694.22	3745000.75	5.09384	(81010724)
382729.84	3745000.75	6.31366	(81010724)	382765.44	3745000.75	7.60733	(81010724)
382801.06	3745000.75	9.29534	(81010724)	382836.66	3745000.75	11.85320	(81010724)
382872.28	3745000.75	15.45609	(81010724)	382907.88	3745000.75	23.59538	(81122624)
382943.50	3745000.75	18.12957	(81011124)	382551.78	3745023.25	2.77090	(81112624)
382587.38	3745023.25	3.10818	(81112624)	382623.00	3745023.25	3.45238	(81112624)
382658.63	3745023.25	3.93284	(81112724)	382694.22	3745023.25	4.68518	(81112724)
382729.84	3745023.25	5.95385	(81010724)	382765.44	3745023.25	7.41485	(81010724)
382801.06	3745023.25	9.09275	(81010724)	382836.66	3745023.25	11.78241	(81121324)
382872.28	3745023.25	16.22777	(81010724)	382907.88	3745023.25	23.28387	(81010724)
382551.78	3745046.00	2.66087	(81112624)	382587.38	3745046.00	3.07612	(81112624)
382623.00	3745046.00	3.50294	(81112624)	382658.63	3745046.00	3.92976	(81112624)
382694.22	3745046.00	4.63272	(81112724)	382728.88	3745037.50	5.62038	(81112724)
382764.50	3745037.50	7.18331	(81010724)	382800.09	3745037.50	8.87221	(81010724)
382835.72	3745037.50	12.30917	(81121324)	382871.31	3745037.50	16.53082	(81121324)

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**MODELOPTs: PAGE 178
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	1.62661	(81010724)	382587.38	3744750.75	1.71823	(81010724)
382623.00	3744750.75	1.81336	(81010724)	382658.63	3744750.75	1.90949	(81010724)
382694.22	3744750.75	2.00106	(81010724)	382729.84	3744750.75	2.19537	(81122624)
382765.44	3744750.75	2.48454	(81122624)	382801.06	3744750.75	2.76901	(81122624)
382836.66	3744750.75	3.03570	(81122624)	382872.28	3744750.75	3.26226	(81122624)
382907.88	3744750.75	3.41421	(81122624)	382943.50	3744750.75	3.46526	(81122624)
382979.09	3744750.75	3.42856	(81122624)	383014.72	3744750.75	3.56929	(81122924)
383050.31	3744750.75	4.25493	(81122924)	382551.78	3744773.50	1.64857	(81010724)
382587.38	3744773.50	1.74638	(81010724)	382623.00	3744773.50	1.84908	(81010724)
382658.63	3744773.50	1.95419	(81010724)	382694.22	3744773.50	2.05963	(81010724)
382729.84	3744773.50	2.16152	(81122624)	382765.44	3744773.50	2.47254	(81122624)
382801.06	3744773.50	2.78842	(81122624)	382836.66	3744773.50	3.10001	(81122624)
382872.28	3744773.50	3.38693	(81122624)	382907.88	3744773.50	3.60661	(81122624)
382943.50	3744773.50	3.71624	(81122624)	382979.09	3744773.50	3.70633	(81122624)
383014.72	3744773.50	3.76359	(81122924)	383050.31	3744773.50	4.55083	(81122924)
382551.78	3744796.25	1.66814	(81010724)	382587.38	3744796.25	1.77505	(81010724)
382623.00	3744796.25	1.88605	(81010724)	382658.63	3744796.25	1.99947	(81010724)
382694.22	3744796.25	2.11589	(81010724)	382729.84	3744796.25	2.23278	(81010724)
382765.44	3744796.25	2.44957	(81122624)	382801.06	3744796.25	2.79152	(81122624)
382836.66	3744796.25	3.14380	(81122624)	382872.28	3744796.25	3.49252	(81122624)
382907.88	3744796.25	3.79548	(81122624)	382943.50	3744796.25	3.98506	(81122624)
382979.09	3744796.25	4.02875	(81122624)	383014.72	3744796.25	3.96065	(81122924)
383050.31	3744796.25	4.85049	(81122924)	382551.78	3744819.00	1.68088	(81010724)
382587.38	3744819.00	1.80178	(81010724)	382623.00	3744819.00	1.92391	(81010724)
382658.63	3744819.00	2.04699	(81010724)	382694.22	3744819.00	2.17369	(81010724)
382729.84	3744819.00	2.30530	(81010724)	382765.44	3744819.00	2.43665	(81010724)
382801.06	3744819.00	2.78084	(81122624)	382836.66	3744819.00	3.16627	(81122624)
382872.28	3744819.00	3.57228	(81122624)	382907.88	3744819.00	3.96448	(81122624)
382943.50	3744819.00	4.26083	(81122624)	382979.09	3744819.00	4.39176	(81122624)
383014.72	3744819.00	4.34079	(81122624)	383050.31	3744819.00	5.20203	(81122924)
382551.78	3744841.75	1.68108	(81010724)	382587.38	3744841.75	1.82041	(81010724)
382623.00	3744841.75	1.95819	(81010724)	382658.63	3744841.75	2.09477	(81010724)
382694.22	3744841.75	2.23388	(81010724)	382729.84	3744841.75	2.37917	(81010724)
382765.44	3744841.75	2.53017	(81010724)	382801.06	3744841.75	2.76111	(81122624)
382836.66	3744841.75	3.17067	(81122624)	382872.28	3744841.75	3.62373	(81122624)
382907.88	3744841.75	4.10283	(81122624)	382943.50	3744841.75	4.53134	(81122624)
382979.09	3744841.75	4.78412	(81122624)	383014.72	3744841.75	4.81342	(81122624)
383050.31	3744841.75	5.54122	(81122924)	382551.78	3744864.50	1.66359	(81010724)
382587.38	3744864.50	1.82327	(81010724)	382623.00	3744864.50	1.98134	(81010724)
382658.63	3744864.50	2.13724	(81010724)	382694.22	3744864.50	2.29355	(81010724)

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**MODELOPTs: PAGE 179
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	2.45515	(81010724)	382765.44	3744864.50	2.62547	(81010724)
382801.06	3744864.50	2.80350	(81010724)	382836.66	3744864.50	3.16227	(81122624)
382872.28	3744864.50	3.64749	(81122624)	382907.88	3744864.50	4.20154	(81122624)
382943.50	3744864.50	4.77163	(81122624)	382979.09	3744864.50	5.20854	(81122624)
383014.72	3744864.50	5.37002	(81122624)	383050.31	3744864.50	5.88390	(81122924)
382551.78	3744887.00	1.62531	(81010724)	382587.38	3744887.00	1.80479	(81010724)
382623.00	3744887.00	1.98586	(81010724)	382658.63	3744887.00	2.16576	(81010724)
382694.22	3744887.00	2.34495	(81010724)	382729.84	3744887.00	2.52783	(81010724)
382765.44	3744887.00	2.71999	(81010724)	382801.06	3744887.00	2.92570	(81010724)
382836.66	3744887.00	3.15044	(81122624)	382872.28	3744887.00	3.65291	(81122624)
382907.88	3744887.00	4.25955	(81122624)	382943.50	3744887.00	4.95695	(81122624)
382979.09	3744887.00	5.61234	(81122624)	383014.72	3744887.00	5.98811	(81122624)
383050.31	3744887.00	6.22425	(81122924)	382551.78	3744909.75	1.56492	(81010724)
382587.38	3744909.75	1.76169	(81010724)	382623.00	3744909.75	1.96577	(81010724)
382658.63	3744909.75	2.17242	(81010724)	382694.22	3744909.75	2.37960	(81010724)
382729.84	3744909.75	2.58988	(81010724)	382765.44	3744909.75	2.80918	(81010724)
382801.06	3744909.75	3.04576	(81010724)	382836.66	3744909.75	3.30321	(81010724)
382872.28	3744909.75	3.65168	(81122624)	382907.88	3744909.75	4.28575	(81122624)
382943.50	3744909.75	5.08629	(81122624)	382979.09	3744909.75	5.97104	(81122624)
383014.72	3744909.75	6.67816	(81122624)	382551.78	3744932.50	1.48520	(81010724)
382587.38	3744932.50	1.69441	(81010724)	382623.00	3744932.50	1.91819	(81010724)
382658.63	3744932.50	2.15080	(81010724)	382694.22	3744932.50	2.38793	(81010724)
382729.84	3744932.50	2.62979	(81010724)	382765.44	3744932.50	2.88108	(81010724)
382801.06	3744932.50	3.15221	(81010724)	382836.66	3744932.50	3.45388	(81010724)
382872.28	3744932.50	3.79040	(81010724)	382907.88	3744932.50	4.29487	(81122624)
382943.50	3744932.50	5.15533	(81122624)	382979.09	3744932.50	6.24324	(81122624)
383014.72	3744932.50	7.33294	(81122624)	382551.78	3744955.25	1.47222	(81112624)
382587.38	3744955.25	1.60640	(81010724)	382623.00	3744955.25	1.84456	(81010724)
382658.63	3744955.25	2.09940	(81010724)	382694.22	3744955.25	2.36510	(81010724)
382729.84	3744955.25	2.63946	(81010724)	382765.44	3744955.25	2.92509	(81010724)
382801.06	3744955.25	3.23277	(81010724)	382836.66	3744955.25	3.57854	(81010724)
382872.28	3744955.25	3.98020	(81010724)	382907.88	3744955.25	4.44115	(81010724)
382943.50	3744955.25	5.18238	(81122624)	382979.09	3744955.25	6.42870	(81122624)
383014.72	3744955.25	7.93259	(81122624)	382551.78	3744978.00	1.48530	(81112624)
382587.38	3744978.00	1.59112	(81112624)	382623.00	3744978.00	1.74937	(81010724)
382658.63	3744978.00	2.02116	(81010724)	382694.22	3744978.00	2.31177	(81010724)
382729.84	3744978.00	2.61678	(81010724)	382765.44	3744978.00	2.93600	(81010724)
382801.06	3744978.00	3.27913	(81010724)	382836.66	3744978.00	3.66512	(81010724)
382872.28	3744978.00	4.12349	(81010724)	382907.88	3744978.00	4.68246	(81010724)
382943.50	3744978.00	5.34913	(81010724)	382979.09	3744978.00	6.52567	(81122624)

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**MODELOPTs: PAGE 180
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST3PM ***
INCLUDING SOURCE(S): L0002706, L0002707, L0002708, L0002709, L0002710, L0002711, L0002712,
L0002713, L0002835, L0002836, L0002837, L0002838, L0002839, L0002840, L0002841, L0002842,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	8.36127	(81122624)	382551.78	3745000.75	1.48918	(81112624)
382587.38	3745000.75	1.60528	(81112624)	382623.00	3745000.75	1.72932	(81112624)
382658.63	3745000.75	1.92133	(81010724)	382694.22	3745000.75	2.23266	(81010724)
382729.84	3745000.75	2.56571	(81010724)	382765.44	3745000.75	2.91668	(81010724)
382801.06	3745000.75	3.29226	(81010724)	382836.66	3745000.75	3.71159	(81010724)
382872.28	3745000.75	4.21189	(81010724)	382907.88	3745000.75	4.84481	(81010724)
382943.50	3745000.75	5.66092	(81010724)	382551.78	3745023.25	1.48112	(81112624)
382587.38	3745023.25	1.60999	(81112624)	382623.00	3745023.25	1.74625	(81112624)
382658.63	3745023.25	1.89276	(81112624)	382694.22	3745023.25	2.13419	(81010724)
382729.84	3745023.25	2.49368	(81010724)	382765.44	3745023.25	2.87635	(81010724)
382801.06	3745023.25	3.28337	(81010724)	382836.66	3745023.25	3.73028	(81010724)
382872.28	3745023.25	4.25683	(81010724)	382907.88	3745023.25	4.92856	(81010724)
382551.78	3745046.00	1.45594	(81112624)	382587.38	3745046.00	1.60026	(81112624)
382623.00	3745046.00	1.75291	(81112624)	382658.63	3745046.00	1.91515	(81112624)
382694.22	3745046.00	2.09366	(81112724)	382728.88	3745037.50	2.42823	(81010724)
382764.50	3745037.50	2.83271	(81010724)	382800.09	3745037.50	3.26128	(81010724)
382835.72	3745037.50	3.72577	(81010724)	382871.31	3745037.50	4.26117	(81010724)

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***

INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	1.91310	(81010724)	382587.38	3744750.75	2.15422	(81010724)
382623.00	3744750.75	2.42978	(81010724)	382658.63	3744750.75	2.73672	(81010724)
382694.22	3744750.75	3.06687	(81010724)	382729.84	3744750.75	3.40350	(81010724)
382765.44	3744750.75	3.71878	(81010724)	382801.06	3744750.75	3.96647	(81010724)
382836.66	3744750.75	5.02559	(81122624)	382872.28	3744750.75	6.62784	(81122624)
382907.88	3744750.75	8.12044	(81122624)	382943.50	3744750.75	8.85422	(81122624)
382979.09	3744750.75	8.06177	(81122624)	383014.72	3744750.75	7.57938	(81122924)
383050.31	3744750.75	9.96426	(81122924)	382551.78	3744773.50	1.83708	(81010724)
382587.38	3744773.50	2.09018	(81010724)	382623.00	3744773.50	2.38858	(81010724)
382658.63	3744773.50	2.72705	(81010724)	382694.22	3744773.50	3.10574	(81010724)
382729.84	3744773.50	3.51721	(81010724)	382765.44	3744773.50	3.94437	(81010724)
382801.06	3744773.50	4.35406	(81010724)	382836.66	3744773.50	4.66985	(81010724)
382872.28	3744773.50	6.43989	(81122624)	382907.88	3744773.50	8.40981	(81122624)
382943.50	3744773.50	9.95691	(81122624)	382979.09	3744773.50	10.03983	(81122624)
383014.72	3744773.50	8.02616	(81122924)	383050.31	3744773.50	11.28658	(81122924)
382551.78	3744796.25	1.72795	(81112624)	382587.38	3744796.25	1.98554	(81010724)
382623.00	3744796.25	2.29699	(81010724)	382658.63	3744796.25	2.65846	(81010724)
382694.22	3744796.25	3.07373	(81010724)	382729.84	3744796.25	3.54736	(81010724)
382765.44	3744796.25	4.07368	(81010724)	382801.06	3744796.25	4.63758	(81010724)
382836.66	3744796.25	5.18381	(81010724)	382872.28	3744796.25	6.04954	(81122624)
382907.88	3744796.25	8.41205	(81122624)	382943.50	3744796.25	10.79023	(81122624)
382979.09	3744796.25	12.13190	(81122624)	383014.72	3744796.25	10.74824	(81122624)
383050.31	3744796.25	12.90385	(81122924)	382551.78	3744819.00	1.76952	(81112624)
382587.38	3744819.00	1.90455	(81112624)	382623.00	3744819.00	2.15902	(81010724)
382658.63	3744819.00	2.53071	(81010724)	382694.22	3744819.00	2.96799	(81010724)
382729.84	3744819.00	3.48536	(81010724)	382765.44	3744819.00	4.08694	(81010724)
382801.06	3744819.00	4.77688	(81010724)	382836.66	3744819.00	5.53729	(81010724)
382872.28	3744819.00	6.30372	(81010724)	382907.88	3744819.00	8.07720	(81122624)
382943.50	3744819.00	11.19297	(81122624)	382979.09	3744819.00	14.03261	(81122624)
383014.72	3744819.00	14.41356	(81122624)	383050.31	3744819.00	14.92711	(81122924)
382551.78	3744841.75	1.76831	(81112624)	382587.38	3744841.75	1.93313	(81112624)
382623.00	3744841.75	2.11189	(81112624)	382658.63	3744841.75	2.34956	(81010724)
382694.22	3744841.75	2.79210	(81010724)	382729.84	3744841.75	3.32786	(81010724)
382765.44	3744841.75	3.97408	(81010724)	382801.06	3744841.75	4.75508	(81010724)
382836.66	3744841.75	5.68448	(81010724)	382872.28	3744841.75	6.75302	(81010724)
382907.88	3744841.75	7.88783	(81010724)	382943.50	3744841.75	11.11460	(81122624)
382979.09	3744841.75	15.33580	(81122624)	383014.72	3744841.75	18.62684	(81122624)
383050.31	3744841.75	17.55276	(81122924)	382551.78	3744864.50	1.73087	(81112624)
382587.38	3744864.50	1.91515	(81112624)	382623.00	3744864.50	2.11968	(81112624)
382658.63	3744864.50	2.34434	(81112624)	382694.22	3744864.50	2.59050	(81112624)

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**MODELOPTs: PAGE 182
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	3.09126	(81010724)	382765.44	3744864.50	3.75024	(81010724)
382801.06	3744864.50	4.57202	(81010724)	382836.66	3744864.50	5.59904	(81010724)
382872.28	3744864.50	6.87996	(81010724)	382907.88	3744864.50	8.44928	(81010724)
382943.50	3744864.50	10.54715	(81122624)	382979.09	3744864.50	16.07933	(81122624)
383014.72	3744864.50	22.75958	(81122624)	383050.31	3744864.50	17.67938	(81122624)
382551.78	3744887.00	1.66430	(81112624)	382587.38	3744887.00	1.85824	(81112624)
382623.00	3744887.00	2.07755	(81112624)	382658.63	3744887.00	2.32595	(81112624)
382694.22	3744887.00	2.60772	(81112624)	382729.84	3744887.00	2.92864	(81112624)
382765.44	3744887.00	3.44158	(81010724)	382801.06	3744887.00	4.25977	(81010724)
382836.66	3744887.00	5.31356	(81010724)	382872.28	3744887.00	6.69152	(81010724)
382907.88	3744887.00	8.51101	(81010724)	382943.50	3744887.00	10.94761	(81010724)
382979.09	3744887.00	15.88677	(81122624)	383014.72	3744887.00	25.72172	(81122624)
383050.31	3744887.00	13.61722	(81122624)	382551.78	3744909.75	1.57435	(81112624)
382587.38	3744909.75	1.77039	(81112624)	382623.00	3744909.75	1.99548	(81112624)
382658.63	3744909.75	2.25517	(81112624)	382694.22	3744909.75	2.55655	(81112624)
382729.84	3744909.75	2.90726	(81112624)	382765.44	3744909.75	3.32270	(81112624)
382801.06	3744909.75	3.85342	(81010724)	382836.66	3744909.75	4.87911	(81010724)
382872.28	3744909.75	6.25781	(81010724)	382907.88	3744909.75	8.15757	(81010724)
382943.50	3744909.75	10.87179	(81010724)	382979.09	3744909.75	14.93595	(81010724)
383014.72	3744909.75	18.37695	(81122624)	382551.78	3744932.50	1.52028	(81120424)
382587.38	3744932.50	1.66003	(81112624)	382623.00	3744932.50	1.88296	(81112624)
382658.63	3744932.50	2.14308	(81112624)	382694.22	3744932.50	2.44911	(81112624)
382729.84	3744932.50	2.81395	(81112624)	382765.44	3744932.50	3.25410	(81112624)
382801.06	3744932.50	3.79463	(81112624)	382836.66	3744932.50	4.47036	(81112624)
382872.28	3744932.50	5.66714	(81010724)	382907.88	3744932.50	7.51490	(81010724)
382943.50	3744932.50	10.22599	(81010724)	382979.09	3744932.50	14.38986	(81010724)
383014.72	3744932.50	20.88285	(81121324)	382551.78	3744955.25	1.52768	(81120424)
382587.38	3744955.25	1.64927	(81120424)	382623.00	3744955.25	1.78915	(81120424)
382658.63	3744955.25	2.00163	(81112624)	382694.22	3744955.25	2.30105	(81112624)
382729.84	3744955.25	2.66118	(81112624)	382765.44	3744955.25	3.10075	(81112624)
382801.06	3744955.25	3.64927	(81112624)	382836.66	3744955.25	4.34926	(81112624)
382872.28	3744955.25	5.28382	(81112724)	382907.88	3744955.25	6.73260	(81112724)
382943.50	3744955.25	9.31814	(81010724)	382979.09	3744955.25	13.44441	(81010724)
383014.72	3744955.25	18.84338	(81010724)	382551.78	3744978.00	1.49244	(81120424)
382587.38	3744978.00	1.61796	(81120424)	382623.00	3744978.00	1.76353	(81120424)
382658.63	3744978.00	1.93462	(81120424)	382694.22	3744978.00	2.13895	(81120424)
382729.84	3744978.00	2.47268	(81112624)	382765.44	3744978.00	2.89602	(81112624)
382801.06	3744978.00	3.42782	(81112624)	382836.66	3744978.00	4.11407	(81112624)
382872.28	3744978.00	5.03295	(81112624)	382907.88	3744978.00	6.40467	(81112724)
382943.50	3744978.00	8.60322	(81112724)	382979.09	3744978.00	12.58230	(81010724)

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**MODELOPTs: PAGE 183
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONST4PM ***
INCLUDING SOURCE(S): L0002714, L0002715, L0002716, L0002717, L0002718, L0002843, L0002844,
L0002845, L0002846, L0002847,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	16.94516	(81010724)	382551.78	3745000.75	1.42494	(81120424)
382587.38	3745000.75	1.55011	(81120424)	382623.00	3745000.75	1.69640	(81120424)
382658.63	3745000.75	1.86994	(81120424)	382694.22	3745000.75	2.07958	(81120424)
382729.84	3745000.75	2.34214	(81120424)	382765.44	3745000.75	2.67341	(81120424)
382801.06	3745000.75	3.15439	(81112624)	382836.66	3745000.75	3.79652	(81112624)
382872.28	3745000.75	4.65792	(81112624)	382907.88	3745000.75	5.98337	(81102024)
382943.50	3745000.75	8.03582	(81102024)	382551.78	3745023.25	1.33808	(81120424)
382587.38	3745023.25	1.46079	(81120424)	382623.00	3745023.25	1.60533	(81120424)
382658.63	3745023.25	1.79014	(81120624)	382694.22	3745023.25	2.02089	(81120624)
382729.84	3745023.25	2.29853	(81120624)	382765.44	3745023.25	2.63585	(81120624)
382801.06	3745023.25	3.20901	(81102024)	382836.66	3745023.25	3.95118	(81102024)
382872.28	3745023.25	4.93322	(81102024)	382907.88	3745023.25	6.31236	(81102024)
382551.78	3745046.00	1.36715	(81120624)	382587.38	3745046.00	1.50953	(81120624)
382623.00	3745046.00	1.67463	(81120624)	382658.63	3745046.00	1.86715	(81120624)
382694.22	3745046.00	2.09304	(81120624)	382728.88	3745037.50	2.33875	(81120624)
382764.50	3745037.50	2.77812	(81102024)	382800.09	3745037.50	3.35038	(81102024)
382835.72	3745037.50	4.08248	(81102024)	382871.31	3745037.50	5.04234	(81102024)

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**MODELOPTs: PAGE 184
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	11.99552	(81010724)	382587.38	3744750.75	13.06473	(81010724)
382623.00	3744750.75	14.24825	(81010724)	382658.63	3744750.75	15.52689	(81010724)
382694.22	3744750.75	16.85433	(81010724)	382729.84	3744750.75	18.15031	(81010724)
382765.44	3744750.75	19.30439	(81010724)	382801.06	3744750.75	21.50591	(81122624)
382836.66	3744750.75	26.62234	(81122624)	382872.28	3744750.75	32.21947	(81122624)
382907.88	3744750.75	37.17805	(81122624)	382943.50	3744750.75	39.47260	(81122624)
382979.09	3744750.75	36.90403	(81122624)	383014.72	3744750.75	35.94551	(81122924)
383050.31	3744750.75	45.51921	(81122924)	382551.78	3744773.50	11.85011	(81010724)
382587.38	3744773.50	12.97871	(81010724)	382623.00	3744773.50	14.25890	(81010724)
382658.63	3744773.50	15.66547	(81010724)	382694.22	3744773.50	17.18997	(81010724)
382729.84	3744773.50	18.78518	(81010724)	382765.44	3744773.50	20.36572	(81010724)
382801.06	3744773.50	21.80498	(81010724)	382836.66	3744773.50	25.72817	(81122624)
382872.28	3744773.50	32.11987	(81122624)	382907.88	3744773.50	38.74318	(81122624)
382943.50	3744773.50	43.64787	(81122624)	382979.09	3744773.50	43.72734	(81122624)
383014.72	3744773.50	37.91080	(81122924)	383050.31	3744773.50	50.38381	(81122924)
382551.78	3744796.25	11.59317	(81010724)	382587.38	3744796.25	12.77318	(81010724)
382623.00	3744796.25	14.12383	(81010724)	382658.63	3744796.25	15.63030	(81010724)
382694.22	3744796.25	17.30521	(81010724)	382729.84	3744796.25	19.15081	(81010724)
382765.44	3744796.25	21.11755	(81010724)	382801.06	3744796.25	23.12075	(81010724)
382836.66	3744796.25	24.95732	(81010724)	382872.28	3744796.25	31.34705	(81122624)
382907.88	3744796.25	39.43861	(81122624)	382943.50	3744796.25	47.08415	(81122624)
382979.09	3744796.25	51.02085	(81122624)	383014.72	3744796.25	46.47071	(81122624)
383050.31	3744796.25	56.04256	(81122924)	382551.78	3744819.00	11.22387	(81010724)
382587.38	3744819.00	12.45474	(81010724)	382623.00	3744819.00	13.85348	(81010724)
382658.63	3744819.00	15.42709	(81010724)	382694.22	3744819.00	17.20633	(81010724)
382729.84	3744819.00	19.23727	(81010724)	382765.44	3744819.00	21.51019	(81010724)
382801.06	3744819.00	23.99625	(81010724)	382836.66	3744819.00	26.58830	(81010724)
382872.28	3744819.00	29.98873	(81122624)	382907.88	3744819.00	39.06327	(81122624)
382943.50	3744819.00	49.27066	(81122624)	382979.09	3744819.00	57.88231	(81122624)
383014.72	3744819.00	58.43351	(81122624)	383050.31	3744819.00	62.94308	(81122924)
382551.78	3744841.75	10.74432	(81010724)	382587.38	3744841.75	12.02106	(81010724)
382623.00	3744841.75	13.45380	(81010724)	382658.63	3744841.75	15.06553	(81010724)
382694.22	3744841.75	16.90755	(81010724)	382729.84	3744841.75	19.04495	(81010724)
382765.44	3744841.75	21.52425	(81010724)	382801.06	3744841.75	24.38917	(81010724)
382836.66	3744841.75	27.61950	(81010724)	382872.28	3744841.75	31.11557	(81010724)
382907.88	3744841.75	37.72392	(81122624)	382943.50	3744841.75	50.00926	(81122624)
382979.09	3744841.75	63.10794	(81122624)	383014.72	3744841.75	72.16389	(81122624)
383050.31	3744841.75	71.28973	(81122924)	382551.78	3744864.50	10.25953	(81112624)
382587.38	3744864.50	11.47118	(81010724)	382623.00	3744864.50	12.92652	(81010724)
382658.63	3744864.50	14.56295	(81010724)	382694.22	3744864.50	16.43643	(81010724)

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*** *** 14:35:53
**MODELOPTs: PAGE 185
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	18.62529	(81010724)	382765.44	3744864.50	21.21549	(81010724)
382801.06	3744864.50	24.30468	(81010724)	382836.66	3744864.50	27.96977	(81010724)
382872.28	3744864.50	32.26826	(81010724)	382907.88	3744864.50	37.19831	(81010724)
382943.50	3744864.50	49.19155	(81122624)	382979.09	3744864.50	66.73158	(81122624)
383014.72	3744864.50	85.81631	(81122624)	383050.31	3744864.50	70.05346	(81122624)
382551.78	3744887.00	10.28101	(81112624)	382587.38	3744887.00	11.09006	(81112624)
382623.00	3744887.00	12.29064	(81010724)	382658.63	3744887.00	13.94161	(81010724)
382694.22	3744887.00	15.82669	(81010724)	382729.84	3744887.00	18.02886	(81010724)
382765.44	3744887.00	20.65220	(81010724)	382801.06	3744887.00	23.83600	(81010724)
382836.66	3744887.00	27.73125	(81010724)	382872.28	3744887.00	32.52170	(81010724)
382907.88	3744887.00	38.41495	(81010724)	382943.50	3744887.00	46.89235	(81122624)
382979.09	3744887.00	67.53458	(81122624)	383014.72	3744887.00	96.27302	(81122624)
383050.31	3744887.00	61.78021	(81122624)	382551.78	3744909.75	10.18267	(81112624)
382587.38	3744909.75	11.05380	(81112624)	382623.00	3744909.75	12.01910	(81112624)
382658.63	3744909.75	13.20284	(81010724)	382694.22	3744909.75	15.08537	(81010724)
382729.84	3744909.75	17.27706	(81010724)	382765.44	3744909.75	19.88808	(81010724)
382801.06	3744909.75	23.08023	(81010724)	382836.66	3744909.75	27.05373	(81010724)
382872.28	3744909.75	32.08173	(81010724)	382907.88	3744909.75	38.52022	(81010724)
382943.50	3744909.75	46.99446	(81010724)	382979.09	3744909.75	63.39317	(81122624)
383014.72	3744909.75	78.34413	(81122624)	382551.78	3744932.50	9.98565	(81112624)
382587.38	3744932.50	10.89105	(81112624)	382623.00	3744932.50	11.90899	(81112624)
382658.63	3744932.50	13.05812	(81112624)	382694.22	3744932.50	14.35797	(81112624)
382729.84	3744932.50	16.40554	(81010724)	382765.44	3744932.50	18.97505	(81010724)
382801.06	3744932.50	22.11996	(81010724)	382836.66	3744932.50	26.06849	(81010724)

382872.28 3744932.50 31.15009 (81010724) 382907.88 3744932.50 37.81044 (81010724)
382943.50 3744932.50 46.75886 (81010724) 382979.09 3744932.50 59.24778 (81010724)
383014.72 3744932.50 86.38641 (81122624) 382551.78 3744955.25 9.71517 (81112624)
382587.38 3744955.25 10.63306 (81112624) 382623.00 3744955.25 11.67263 (81112624)
382658.63 3744955.25 12.86032 (81112624) 382694.22 3744955.25 14.22668 (81112624)
382729.84 3744955.25 15.81082 (81112624) 382765.44 3744955.25 17.94975 (81010724)
382801.06 3744955.25 21.00790 (81010724) 382836.66 3744955.25 24.86029 (81010724)
382872.28 3744955.25 29.87849 (81010724) 382907.88 3744955.25 36.57898 (81010724)
382943.50 3744955.25 45.82525 (81010724) 382979.09 3744955.25 59.02837 (81010724)
383014.72 3744955.25 81.26693 (81122624) 382551.78 3744978.00 9.39295 (81112624)
382587.38 3744978.00 10.31135 (81112624) 382623.00 3744978.00 11.35194 (81112624)
382658.63 3744978.00 12.54412 (81112624) 382694.22 3744978.00 13.93068 (81112624)
382729.84 3744978.00 15.56088 (81112624) 382765.44 3744978.00 17.49789 (81112624)
382801.06 3744978.00 19.82316 (81112624) 382836.66 3744978.00 23.49203 (81010724)
382872.28 3744978.00 28.33161 (81010724) 382907.88 3744978.00 34.90363 (81010724)
382943.50 3744978.00 44.48123 (81010724) 382979.09 3744978.00 59.12855 (81010724)

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**MODELOPTs: PAGE 186
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-NOX ***
INCLUDING SOURCE(S): L0002554, L0002555, L0002556, L0002557, L0002558, L0002559, L0002560,
L0002561, L0002562, L0002563, L0002564, L0002565, L0002566,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

383014.72 3744978.00 76.70667 (81122624) 382551.78 3745000.75 9.02559 (81112624)
382587.38 3745000.75 9.94088 (81112624) 382623.00 3745000.75 10.97266 (81112624)
382658.63 3745000.75 12.15322 (81112624) 382694.22 3745000.75 13.52622 (81112624)
382729.84 3745000.75 15.15305 (81112624) 382765.44 3745000.75 17.10508 (81112624)
382801.06 3745000.75 19.49241 (81112724) 382836.66 3745000.75 22.58326 (81112724)
382872.28 3745000.75 26.65332 (81010724) 382907.88 3745000.75 32.98463 (81010724)
382943.50 3745000.75 42.27003 (81010724) 382551.78 3745023.25 8.96920 (81120424)
382587.38 3745023.25 9.61575 (81120424) 382623.00 3745023.25 10.55979 (81112624)
382658.63 3745023.25 11.72326 (81112624) 382694.22 3745023.25 13.06748 (81112624)
382729.84 3745023.25 14.65669 (81112624) 382765.44 3745023.25 16.64820 (81112724)
382801.06 3745023.25 19.12301 (81112724) 382836.66 3745023.25 22.21918 (81112724)
382872.28 3745023.25 26.28997 (81112724) 382907.88 3745023.25 31.86108 (81112724)
382551.78 3745046.00 8.87371 (81120424) 382587.38 3745046.00 9.55666 (81120424)
382623.00 3745046.00 10.35013 (81120424) 382658.63 3745046.00 11.28507 (81120424)
382694.22 3745046.00 12.58708 (81112624) 382728.88 3745037.50 14.28593 (81112624)
382764.50 3745037.50 16.29178 (81112724) 382800.09 3745037.50 18.75677 (81112724)
382835.72 3745037.50 21.83192 (81112724) 382871.31 3745037.50 25.86573 (81112724)

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*** *** 14:35:53
**MODELOPTs: PAGE 187
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382551.78 3744750.75 1.66602 (81010724) 382587.38 3744750.75 1.76259 (81010724)
382623.00 3744750.75 1.86337 (81010724) 382658.63 3744750.75 1.96580 (81010724)
382694.22 3744750.75 2.06413 (81010724) 382729.84 3744750.75 2.23195 (81122624)
382765.44 3744750.75 2.53734 (81122624) 382801.06 3744750.75 2.84389 (81122624)
382836.66 3744750.75 3.13889 (81122624) 382872.28 3744750.75 3.39820 (81122624)
382907.88 3744750.75 3.58055 (81122624) 382943.50 3744750.75 3.64637 (81122624)
382979.09 3744750.75 3.59319 (81122624) 383014.72 3744750.75 3.72373 (81122924)
383050.31 3744750.75 4.45781 (81122924) 382551.78 3744773.50 1.68641 (81010724)
382587.38 3744773.50 1.78942 (81010724) 382623.00 3744773.50 1.89824 (81010724)
382658.63 3744773.50 2.01029 (81010724) 382694.22 3744773.50 2.12348 (81010724)
382729.84 3744773.50 2.23139 (81010724) 382765.44 3744773.50 2.51816 (81122624)
382801.06 3744773.50 2.85506 (81122624) 382836.66 3744773.50 3.19539 (81122624)
382872.28 3744773.50 3.51896 (81122624) 382907.88 3744773.50 3.77878 (81122624)
382943.50 3744773.50 3.91973 (81122624) 382979.09 3744773.50 3.91107 (81122624)
383014.72 3744773.50 3.92681 (81122924) 383050.31 3744773.50 4.78009 (81122924)
382551.78 3744796.25 1.70371 (81010724) 382587.38 3744796.25 1.81593 (81010724)
382623.00 3744796.25 1.93332 (81010724) 382658.63 3744796.25 2.05415 (81010724)
382694.22 3744796.25 2.17908 (81010724) 382729.84 3744796.25 2.30566 (81010724)
382765.44 3744796.25 2.48815 (81122624) 382801.06 3744796.25 2.84939 (81122624)
382836.66 3744796.25 3.22944 (81122624) 382872.28 3744796.25 3.61651 (81122624)
382907.88 3744796.25 3.96760 (81122624) 382943.50 3744796.25 4.20540 (81122624)
382979.09 3744796.25 4.27579 (81122624) 383014.72 3744796.25 4.17288 (81122624)
383050.31 3744796.25 5.11178 (81122924) 382551.78 3744819.00 1.71359 (81010724)
382587.38 3744819.00 1.83978 (81010724) 382623.00 3744819.00 1.96834 (81010724)
382658.63 3744819.00 2.09904 (81010724) 382694.22 3744819.00 2.23469 (81010724)
382729.84 3744819.00 2.37689 (81010724) 382765.44 3744819.00 2.52052 (81010724)
382801.06 3744819.00 2.82993 (81122624) 382836.66 3744819.00 3.24107 (81122624)
382872.28 3744819.00 3.68487 (81122624) 382907.88 3744819.00 4.12966 (81122624)
382943.50 3744819.00 4.48921 (81122624) 382979.09 3744819.00 4.67713 (81122624)
383014.72 3744819.00 4.63252 (81122624) 383050.31 3744819.00 5.50304 (81122924)
382551.78 3744841.75 1.71050 (81010724) 382587.38 3744841.75 1.85495 (81010724)
382623.00 3744841.75 1.99898 (81010724) 382658.63 3744841.75 2.14309 (81010724)
382694.22 3744841.75 2.29126 (81010724) 382729.84 3744841.75 2.44751 (81010724)
382765.44 3744841.75 2.61170 (81010724) 382801.06 3744841.75 2.80190 (81122624)
382836.66 3744841.75 3.23442 (81122624) 382872.28 3744841.75 3.72290 (81122624)
382907.88 3744841.75 4.25522 (81122624) 382943.50 3744841.75 4.75793 (81122624)
382979.09 3744841.75 5.09568 (81122624) 383014.72 3744841.75 5.18919 (81122624)
383050.31 3744841.75 5.89310 (81122924) 382551.78 3744864.50 1.68951 (81010724)
382587.38 3744864.50 1.85397 (81010724) 382623.00 3744864.50 2.01791 (81010724)
382658.63 3744864.50 2.18100 (81010724) 382694.22 3744864.50 2.34614 (81010724)

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**MODELOPTs: PAGE 188
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 2.51862 (81010724) 382765.44 3744864.50 2.70240 (81010724)
382801.06 3744864.50 2.89717 (81010724) 382836.66 3744864.50 3.21536 (81122624)
382872.28 3744864.50 3.73238 (81122624) 382907.88 3744864.50 4.33718 (81122624)
382943.50 3744864.50 4.98646 (81122624) 382979.09 3744864.50 5.53462 (81122624)
383014.72 3744864.50 5.82757 (81122624) 383050.31 3744864.50 6.11157 (81122924)
382551.78 3744887.00 1.64773 (81010724) 382587.38 3744887.00 1.83153 (81010724)
382623.00 3744887.00 2.01795 (81010724) 382658.63 3744887.00 2.20451 (81010724)
382694.22 3744887.00 2.39201 (81010724) 382729.84 3744887.00 2.58531 (81010724)
382765.44 3744887.00 2.79058 (81010724) 382801.06 3744887.00 3.01297 (81010724)
382836.66 3744887.00 3.24960 (81010724) 382872.28 3744887.00 3.72388 (81122624)
382907.88 3744887.00 4.37641 (81122624) 382943.50 3744887.00 5.15116 (81122624)
382979.09 3744887.00 5.93393 (81122624) 383014.72 3744887.00 6.50369 (81122624)
383050.31 3744887.00 6.49002 (81122924) 382551.78 3744909.75 1.58393 (81010724)
382587.38 3744909.75 1.78450 (81010724) 382623.00 3744909.75 1.99331 (81010724)
382658.63 3744909.75 2.20594 (81010724) 382694.22 3744909.75 2.42066 (81010724)
382729.84 3744909.75 2.64058 (81010724) 382765.44 3744909.75 2.87219 (81010724)
382801.06 3744909.75 3.12469 (81010724) 382836.66 3744909.75 3.40301 (81010724)
382872.28 3744909.75 3.70967 (81122624) 382907.88 3744909.75 4.38332 (81122624)
382943.50 3744909.75 5.25271 (81122624) 382979.09 3744909.75 6.25451 (81122624)
383014.72 3744909.75 7.04864 (81122624) 382551.78 3744932.50 1.50103 (81010724)
382587.38 3744932.50 1.71351 (81010724) 382623.00 3744932.50 1.94139 (81010724)
382658.63 3744932.50 2.17920 (81010724) 382694.22 3744932.50 2.42299 (81010724)
382729.84 3744932.50 2.67346 (81010724) 382765.44 3744932.50 2.93594 (81010724)
382801.06 3744932.50 3.22177 (81010724) 382836.66 3744932.50 3.54296 (81010724)
382872.28 3744932.50 3.90606 (81010724) 382907.88 3744932.50 4.37436 (81122624)
382943.50 3744932.50 5.29378 (81122624) 382979.09 3744932.50 6.48727 (81122624)
383014.72 3744932.50 7.74373 (81122624) 382551.78 3744955.25 1.50005 (81112624)
382587.38 3744955.25 1.62212 (81010724) 382623.00 3744955.25 1.86375 (81010724)
382658.63 3744955.25 2.12303 (81010724) 382694.22 3744955.25 2.39445 (81010724)
382729.84 3744955.25 2.67629 (81010724) 382765.44 3744955.25 2.97177 (81010724)
382801.06 3744955.25 3.29260 (81010724) 382836.66 3744955.25 3.65607 (81010724)
382872.28 3744955.25 4.08217 (81010724) 382907.88 3744955.25 4.57789 (81010724)
382943.50 3744955.25 5.29898 (81122624) 382979.09 3744955.25 6.64860 (81122624)
383014.72 3744955.25 8.29211 (81122624) 382551.78 3744978.00 1.51058 (81112624)
382587.38 3744978.00 1.61994 (81112624) 382623.00 3744978.00 1.76496 (81010724)
382658.63 3744978.00 2.04047 (81010724) 382694.22 3744978.00 2.33589 (81010724)
382729.84 3744978.00 2.64724 (81010724) 382765.44 3744978.00 2.97491 (81010724)
382801.06 3744978.00 3.32944 (81010724) 382836.66 3744978.00 3.73101 (81010724)
382872.28 3744978.00 4.21110 (81010724) 382907.88 3744978.00 4.80138 (81010724)
382943.50 3744978.00 5.51787 (81010724) 382979.09 3744978.00 6.70644 (81122624)

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**MODELOPTs: PAGE 189
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP-PM ***
INCLUDING SOURCE(S): L0002745, L0002746, L0002747, L0002748, L0002749, L0002750, L0002751,
L0002752, L0002753, L0002754, L0002755, L0002756, L0002757, L0002807, L0002808, L0002809, L0002810, L0002811, L0002799,
L0002800, L0002801, L0002802, L0002803, L0002804, L0002805, L0002806,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

383014.72 3744978.00 8.67741 (81122624) 382551.78 3745000.75 1.51183 (81112624)
382587.38 3745000.75 1.63118 (81112624) 382623.00 3745000.75 1.75908 (81112624)
382658.63 3745000.75 1.93681 (81010724) 382694.22 3745000.75 2.25213 (81010724)
382729.84 3745000.75 2.59046 (81010724) 382765.44 3745000.75 2.94851 (81010724)
382801.06 3745000.75 3.33375 (81010724) 382836.66 3745000.75 3.76643 (81010724)
382872.28 3745000.75 4.28569 (81010724) 382907.88 3745000.75 4.94634 (81010724)
382943.50 3745000.75 5.80633 (81010724) 382551.78 3745023.25 1.50121 (81112624)
382587.38 3745023.25 1.63299 (81112624) 382623.00 3745023.25 1.77274 (81112624)
382658.63 3745023.25 1.92343 (81112624) 382694.22 3745023.25 2.14962 (81010724)
382729.84 3745023.25 2.51344 (81010724) 382765.44 3745023.25 2.90197 (81010724)
382801.06 3745023.25 3.31705 (81010724) 382836.66 3745023.25 3.77532 (81010724)
382872.28 3745023.25 4.31813 (81010724) 382907.88 3745023.25 5.01410 (81010724)
382551.78 3745046.00 1.47352 (81112624) 382587.38 3745046.00 1.62040 (81112624)
382623.00 3745046.00 1.77612 (81112624) 382658.63 3745046.00 1.94209 (81112624)
382694.22 3745046.00 2.12346 (81112724) 382728.88 3745037.50 2.44503 (81010724)
382764.50 3745037.50 2.85464 (81010724) 382800.09 3745037.50 3.29030 (81010724)
382835.72 3745037.50 3.76484 (81010724) 382871.31 3745037.50 4.31487 (81010724)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 190
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382551.78 3744750.75 0.36738 (81122624) 382587.38 3744750.75 0.42806 (81122624)
382623.00 3744750.75 0.48120 (81122624) 382658.63 3744750.75 0.51531 (81122624)
382694.22 3744750.75 0.52054 (81122624) 382729.84 3744750.75 0.49508 (81122624)
382765.44 3744750.75 0.44988 (81122624) 382801.06 3744750.75 0.54409 (81122924)
382836.66 3744750.75 0.65669 (81122924) 382872.28 3744750.75 0.69094 (81122924)
382907.88 3744750.75 0.64921 (81122924) 382943.50 3744750.75 0.62797 (81011124)
382979.09 3744750.75 0.65553 (81010924) 383014.72 3744750.75 0.64839 (81010924)
383050.31 3744750.75 0.63946 (81120324) 382551.78 3744773.50 0.35551 (81122624)
382587.38 3744773.50 0.42495 (81122624) 382623.00 3744773.50 0.49260 (81122624)
382658.63 3744773.50 0.54293 (81122624) 382694.22 3744773.50 0.56315 (81122624)
382729.84 3744773.50 0.54665 (81122624) 382765.44 3744773.50 0.50191 (81122624)
382801.06 3744773.50 0.56207 (81122924) 382836.66 3744773.50 0.69342 (81122924)
382872.28 3744773.50 0.74169 (81122924) 382907.88 3744773.50 0.69726 (81122924)
382943.50 3744773.50 0.67327 (81011124) 382979.09 3744773.50 0.70905 (81010924)
383014.72 3744773.50 0.69618 (81010924) 383050.31 3744773.50 0.68540 (81120324)

382551.78 3744796.25 0.34739 (81010724) 382587.38 3744796.25 0.41562 (81122624)
382623.00 3744796.25 0.49713 (81122624) 382658.63 3744796.25 0.56635 (81122624)
382694.22 3744796.25 0.60557 (81122624) 382729.84 3744796.25 0.60335 (81122624)
382765.44 3744796.25 0.56260 (81122624) 382801.06 3744796.25 0.58043 (81122924)
382836.66 3744796.25 0.73364 (81122924) 382872.28 3744796.25 0.79794 (81122924)
382907.88 3744796.25 0.75585 (81122924) 382943.50 3744796.25 0.72752 (81011124)
382979.09 3744796.25 0.76803 (81010924) 383014.72 3744796.25 0.74777 (81010924)
383050.31 3744796.25 0.74962 (81120324) 382551.78 3744819.00 0.36792 (81010724)
382587.38 3744819.00 0.40040 (81122624) 382623.00 3744819.00 0.49423 (81122624)
382658.63 3744819.00 0.58355 (81122624) 382694.22 3744819.00 0.64639 (81122624)
382729.84 3744819.00 0.66534 (81122624) 382765.44 3744819.00 0.63347 (81122624)
382801.06 3744819.00 0.60213 (81122924) 382836.66 3744819.00 0.77722 (81122924)
382872.28 3744819.00 0.86177 (81122924) 382907.88 3744819.00 0.82788 (81122924)
382943.50 3744819.00 0.79204 (81011124) 382979.09 3744819.00 0.83851 (81010924)
383014.72 3744819.00 0.81493 (81010924) 383050.31 3744819.00 0.77349 (81120324)
382551.78 3744841.75 0.38482 (81010724) 382587.38 3744841.75 0.40653 (81010724)
382623.00 3744841.75 0.48311 (81122624) 382658.63 3744841.75 0.59139 (81122624)
382694.22 3744841.75 0.68203 (81122624) 382729.84 3744841.75 0.72854 (81122624)
382765.44 3744841.75 0.71390 (81122624) 382801.06 3744841.75 0.65200 (81122624)
382836.66 3744841.75 0.82748 (81122924) 382872.28 3744841.75 0.93760 (81122924)
382907.88 3744841.75 0.91033 (81122924) 382943.50 3744841.75 0.87569 (81011124)
382979.09 3744841.75 0.91805 (81010924) 383014.72 3744841.75 0.88445 (81010924)
383050.31 3744841.75 0.85704 (81120324) 382551.78 3744864.50 0.39835 (81010724)
382587.38 3744864.50 0.43148 (81010724) 382623.00 3744864.50 0.46258 (81122624)
382658.63 3744864.50 0.58768 (81122624) 382694.22 3744864.50 0.70847 (81122624)

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**MODELOPTs: PAGE 191
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 0.79120 (81122624) 382765.44 3744864.50 0.80539 (81122624)
382801.06 3744864.50 0.75113 (81122624) 382836.66 3744864.50 0.89320 (81122924)
382872.28 3744864.50 1.02591 (81122924) 382907.88 3744864.50 1.01324 (81122924)
382943.50 3744864.50 0.98140 (81011124) 382979.09 3744864.50 1.03262 (81010924)
383014.72 3744864.50 0.97523 (81010924) 383050.31 3744864.50 0.88317 (81010624)
382551.78 3744887.00 0.40896 (81010724) 382587.38 3744887.00 0.45328 (81010724)
382623.00 3744887.00 0.49288 (81010724) 382658.63 3744887.00 0.57436 (81122624)
382694.22 3744887.00 0.72619 (81122624) 382729.84 3744887.00 0.85512 (81122624)
382765.44 3744887.00 0.91061 (81122624) 382801.06 3744887.00 0.87498 (81122624)
382836.66 3744887.00 0.97011 (81122924) 382872.28 3744887.00 1.13498 (81122924)
382907.88 3744887.00 1.14400 (81122924) 382943.50 3744887.00 1.12114 (81010924)
382979.09 3744887.00 1.12902 (81010924) 383014.72 3744887.00 1.10669 (81010924)
383050.31 3744887.00 0.99772 (81010924) 382551.78 3744909.75 0.41582 (81010724)
382587.38 3744909.75 0.46946 (81010724) 382623.00 3744909.75 0.52398 (81010724)
382658.63 3744909.75 0.57036 (81010724) 382694.22 3744909.75 0.72603 (81122624)
382729.84 3744909.75 0.90699 (81122624) 382765.44 3744909.75 1.02552 (81122624)
382801.06 3744909.75 1.02999 (81122624) 382836.66 3744909.75 1.06118 (81122924)
382872.28 3744909.75 1.28886 (81122924) 382907.88 3744909.75 1.29024 (81122924)
382943.50 3744909.75 1.28419 (81010924) 382979.09 3744909.75 1.23607 (81010924)
383014.72 3744909.75 1.02442 (81010924) 382551.78 3744932.50 0.41496 (81010724)
382587.38 3744932.50 0.47582 (81010724) 382623.00 3744932.50 0.54410 (81010724)
382658.63 3744932.50 0.61245 (81010724) 382694.22 3744932.50 0.69849 (81122624)
382729.84 3744932.50 0.92888 (81122624) 382765.44 3744932.50 1.12438 (81122624)
382801.06 3744932.50 1.19633 (81122624) 382836.66 3744932.50 1.13368 (81122924)
382872.28 3744932.50 1.44993 (81122924) 382907.88 3744932.50 1.48213 (81122924)
382943.50 3744932.50 1.18580 (81010924) 382979.09 3744932.50 0.97337 (81010924)
383014.72 3744932.50 0.99269 (81110224) 382551.78 3744955.25 0.40687 (81010724)
382587.38 3744955.25 0.47357 (81010724) 382623.00 3744955.25 0.55341 (81010724)
382658.63 3744955.25 0.64359 (81010724) 382694.22 3744955.25 0.73125 (81010724)
382729.84 3744955.25 0.92013 (81122624) 382765.44 3744955.25 1.20458 (81122624)
382801.06 3744955.25 1.37333 (81122624) 382836.66 3744955.25 1.35093 (81122624)
382872.28 3744955.25 1.54364 (81122924) 382907.88 3744955.25 1.32728 (81122924)
382943.50 3744955.25 1.36267 (81010924) 382979.09 3744955.25 1.12154 (81010924)
383014.72 3744955.25 0.81709 (81110224) 382551.78 3744978.00 0.38954 (81010724)
382587.38 3744978.00 0.45956 (81010724) 382623.00 3744978.00 0.54751 (81010724)
382658.63 3744978.00 0.65667 (81010724) 382694.22 3744978.00 0.78108 (81010724)
382729.84 3744978.00 0.89813 (81010724) 382765.44 3744978.00 1.24830 (81122624)
382801.06 3744978.00 1.54853 (81122624) 382836.66 3744978.00 1.66218 (81122624)
382872.28 3744978.00 1.76727 (81122924) 382907.88 3744978.00 1.48141 (81010924)
382943.50 3744978.00 1.62091 (81010924) 382979.09 3744978.00 1.30219 (81010924)

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*** *** 14:35:53
**MODELOPTs: PAGE 192
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS1_25 ***
INCLUDING SOURCE(S): L0003052, L0003053, L0003054, L0003055, L0003056, L0003057, L0003058,
L0003059, L0003060, L0003061, L0003062, L0003063, L0003064, L0003065, L0003066, L0003088, L0003089, L0003090, L0003091,
L0003092, L0003093, L0003094, L0003095, L0003096, L0003097, L0003098, L0003099, L0003100, L0003101, L0003102,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

383014.72 3744978.00 0.91450 (81010924) 382551.78 3745000.75 0.37283 (81112624)
382587.38 3745000.75 0.43515 (81010724) 382623.00 3745000.75 0.52735 (81010724)
382658.63 3745000.75 0.64610 (81010724) 382694.22 3745000.75 0.80097 (81010724)
382729.84 3745000.75 0.98236 (81010724) 382765.44 3745000.75 1.22996 (81122624)
382801.06 3745000.75 1.70626 (81122624) 382836.66 3745000.75 2.00064 (81122624)
382872.28 3745000.75 1.55854 (81122924) 382907.88 3745000.75 1.34080 (81122924)
382943.50 3745000.75 1.43997 (81010924) 382551.78 3745023.25 0.36528 (81112624)
382587.38 3745023.25 0.42220 (81112624) 382623.00 3745023.25 0.48982 (81112624)
382658.63 3745023.25 0.61321 (81010724) 382694.22 3745023.25 0.78292 (81010724)
382729.84 3745023.25 1.01808 (81010724) 382765.44 3745023.25 1.27906 (81010724)
382801.06 3745023.25 1.82700 (81122624) 382836.66 3745023.25 1.75545 (81122624)
382872.28 3745023.25 1.69711 (81122924) 382907.88 3745023.25 1.67338 (81011724)
382551.78 3745046.00 0.34592 (81112624) 382587.38 3745046.00 0.40462 (81112624)
382623.00 3745046.00 0.48061 (81112624) 382658.63 3745046.00 0.57800 (81112624)
382694.22 3745046.00 0.72446 (81010724) 382728.88 3745037.50 0.99506 (81010724)
382764.50 3745037.50 1.33463 (81010724) 382800.09 3745037.50 1.64059 (81010724)
382835.72 3745037.50 2.02198 (81122624) 382871.31 3745037.50 1.94754 (81122624)

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*** *** 14:35:53
**MODELOPTs: PAGE 193
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382551.78 3744750.75 0.72455 (81010724) 382587.38 3744750.75 0.74179 (81010724)
382623.00 3744750.75 0.91764 (81122624) 382658.63 3744750.75 1.12675 (81122624)
382694.22 3744750.75 1.31395 (81122624) 382729.84 3744750.75 1.44381 (81122624)
382765.44 3744750.75 1.49164 (81122624) 382801.06 3744750.75 1.44018 (81122624)
382836.66 3744750.75 1.27972 (81122624) 382872.28 3744750.75 1.33595 (81122924)
382907.88 3744750.75 1.65358 (81122924) 382943.50 3744750.75 1.67675 (81122924)
382979.09 3744750.75 1.61995 (81011324) 383014.72 3744750.75 1.88995 (81010924)
383050.31 3744750.75 1.86942 (81010924) 382551.78 3744773.50 0.77389 (81010724)
382587.38 3744773.50 0.80433 (81010724) 382623.00 3744773.50 0.86950 (81122624)
382658.63 3744773.50 1.10047 (81122624) 382694.22 3744773.50 1.32708 (81122624)
382729.84 3744773.50 1.50916 (81122624) 382765.44 3744773.50 1.61337 (81122624)
382801.06 3744773.50 1.61494 (81122624) 382836.66 3744773.50 1.48969 (81122624)
382872.28 3744773.50 1.38482 (81122924) 382907.88 3744773.50 1.76265 (81122924)
382943.50 3744773.50 1.82218 (81122924) 382979.09 3744773.50 1.75464 (81011324)
383014.72 3744773.50 2.08497 (81010924) 383050.31 3744773.50 2.02270 (81010924)
382551.78 3744796.25 0.81936 (81010724) 382587.38 3744796.25 0.86341 (81010724)
382623.00 3744796.25 0.90357 (81010724) 382658.63 3744796.25 1.05700 (81122624)
382694.22 3744796.25 1.31816 (81122624) 382729.84 3744796.25 1.55412 (81122624)
382765.44 3744796.25 1.72266 (81122624) 382801.06 3744796.25 1.79084 (81122624)
382836.66 3744796.25 1.71964 (81122624) 382872.28 3744796.25 1.49770 (81122624)
382907.88 3744796.25 1.88994 (81122924) 382943.50 3744796.25 1.99146 (81122924)
382979.09 3744796.25 1.91117 (81011324) 383014.72 3744796.25 2.31299 (81010924)
383050.31 3744796.25 2.19718 (81010924) 382551.78 3744819.00 0.85832 (81010724)
382587.38 3744819.00 0.91844 (81010724) 382623.00 3744819.00 0.97661 (81010724)
382658.63 3744819.00 1.02487 (81010724) 382694.22 3744819.00 1.28723 (81122624)
382729.84 3744819.00 1.57499 (81122624) 382765.44 3744819.00 1.81280 (81122624)
382801.06 3744819.00 1.95998 (81122624) 382836.66 3744819.00 1.96539 (81122624)
382872.28 3744819.00 1.78521 (81122624) 382907.88 3744819.00 2.03450 (81122924)
382943.50 3744819.00 2.19079 (81122924) 382979.09 3744819.00 2.13769 (81010924)
383014.72 3744819.00 2.57978 (81010924) 383050.31 3744819.00 2.39892 (81010924)
382551.78 3744841.75 0.88566 (81010724) 382587.38 3744841.75 0.96620 (81010724)
382623.00 3744841.75 1.04313 (81010724) 382658.63 3744841.75 1.11484 (81010724)
382694.22 3744841.75 1.23523 (81122624) 382729.84 3744841.75 1.56681 (81122624)
382765.44 3744841.75 1.87447 (81122624) 382801.06 3744841.75 2.11419 (81122624)
382836.66 3744841.75 2.22301 (81122624) 382872.28 3744841.75 2.11642 (81122624)
382907.88 3744841.75 2.20136 (81122924) 382943.50 3744841.75 2.44042 (81122924)
382979.09 3744841.75 2.41731 (81010924) 383014.72 3744841.75 2.89688 (81010924)
383050.31 3744841.75 2.64024 (81010924) 382551.78 3744864.50 0.89537 (81010724)
382587.38 3744864.50 1.00022 (81010724) 382623.00 3744864.50 1.09886 (81010724)
382658.63 3744864.50 1.19377 (81010724) 382694.22 3744864.50 1.28622 (81010724)

*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
*** *** 14:35:53
**MODELOPTs: PAGE 194
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

382729.84 3744864.50 1.53120 (81122624) 382765.44 3744864.50 1.90338 (81122624)
382801.06 3744864.50 2.23881 (81122624) 382836.66 3744864.50 2.47621 (81122624)
382872.28 3744864.50 2.48960 (81122624) 382907.88 3744864.50 2.40126 (81122924)
382943.50 3744864.50 2.76650 (81122924) 382979.09 3744864.50 2.79378 (81010924)
383014.72 3744864.50 3.26213 (81010924) 383050.31 3744864.50 2.94190 (81010924)
382551.78 3744887.00 0.88039 (81010724) 382587.38 3744887.00 1.01148 (81010724)
382623.00 3744887.00 1.13684 (81010724) 382658.63 3744887.00 1.25733 (81010724)
382694.22 3744887.00 1.38060 (81010724) 382729.84 3744887.00 1.50454 (81010724)
382765.44 3744887.00 1.89642 (81122624) 382801.06 3744887.00 2.32001 (81122624)
382836.66 3744887.00 2.70129 (81122624) 382872.28 3744887.00 2.89148 (81122624)
382907.88 3744887.00 2.70665 (81122624) 382943.50 3744887.00 3.16653 (81122924)
382979.09 3744887.00 3.27740 (81010924) 383014.72 3744887.00 3.71303 (81010924)
383050.31 3744887.00 3.33413 (81010924) 382551.78 3744909.75 0.83655 (81010724)
382587.38 3744909.75 0.99135 (81010724) 382623.00 3744909.75 1.14853 (81010724)
382658.63 3744909.75 1.30034 (81010724) 382694.22 3744909.75 1.45375 (81010724)
382729.84 3744909.75 1.62155 (81010724) 382765.44 3744909.75 1.85747 (81122624)
382801.06 3744909.75 2.35370 (81122624) 382836.66 3744909.75 2.87755 (81122624)
382872.28 3744909.75 3.30848 (81122624) 382907.88 3744909.75 3.31686 (81122624)
382943.50 3744909.75 3.66618 (81122924) 382979.09 3744909.75 3.88967 (81011124)
383014.72 3744909.75 4.34667 (81010924) 382551.78 3744932.50 0.76790 (81010724)
382587.38 3744932.50 0.93622 (81010724) 382623.00 3744932.50 1.12318 (81010724)
382658.63 3744932.50 1.31242 (81010724) 382694.22 3744932.50 1.49990 (81010724)
382729.84 3744932.50 1.70443 (81010724) 382765.44 3744932.50 1.94283 (81010724)
382801.06 3744932.50 2.34474 (81122624) 382836.66 3744932.50 2.98176 (81122624)
382872.28 3744932.50 3.69324 (81122624) 382907.88 3744932.50 4.05622 (81122624)
382943.50 3744932.50 4.32818 (81122924) 382979.09 3744932.50 4.81068 (81011124)
383014.72 3744932.50 5.19333 (81010924) 382551.78 3744955.25 0.73343 (81112624)
382587.38 3744955.25 0.85112 (81010724) 382623.00 3744955.25 1.05527 (81010724)
382658.63 3744955.25 1.28127 (81010724) 382694.22 3744955.25 1.51029 (81010724)
382729.84 3744955.25 1.74944 (81010724) 382765.44 3744955.25 2.03649 (81010724)
382801.06 3744955.25 2.39224 (81010724) 382836.66 3744955.25 3.00938 (81122624)
382872.28 3744955.25 3.98052 (81122624) 382907.88 3744955.25 4.89619 (81122624)
382943.50 3744955.25 5.16295 (81122924) 382979.09 3744955.25 5.37802 (81120324)
383014.72 3744955.25 4.53779 (81120324) 382551.78 3744978.00 0.74857 (81112624)
382587.38 3744978.00 0.81870 (81112624) 382623.00 3744978.00 0.95159 (81010724)
382658.63 3744978.00 1.19990 (81010724) 382694.22 3744978.00 1.47286 (81010724)
382729.84 3744978.00 1.75317 (81010724) 382765.44 3744978.00 2.07181 (81010724)
382801.06 3744978.00 2.50072 (81010724) 382836.66 3744978.00 3.06214 (81010724)
382872.28 3744978.00 4.11354 (81122624) 382907.88 3744978.00 5.72478 (81122624)
382943.50 3744978.00 6.57703 (81122624) 382979.09 3744978.00 6.48750 (81010924)

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**MODELOPTs: PAGE 195
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS2_25 ***
INCLUDING SOURCE(S): L0003067, L0003068, L0003069, L0003070, L0003071, L0003072, L0003073,
L0003074, L0003103, L0003104, L0003105, L0003106, L0003107, L0003108, L0003109, L0003110,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	5.55337	(81010924)	382551.78	3745000.75	0.75694	(81112624)
382587.38	3745000.75	0.83368	(81112624)	382623.00	3745000.75	0.91898	(81112624)
382658.63	3745000.75	1.07678	(81010724)	382694.22	3745000.75	1.37949	(81010724)
382729.84	3745000.75	1.70890	(81010724)	382765.44	3745000.75	2.05754	(81010724)
382801.06	3745000.75	2.51152	(81010724)	382836.66	3745000.75	3.19810	(81010724)
382872.28	3745000.75	4.16197	(81010724)	382907.88	3745000.75	6.34192	(81122624)
382943.50	3745000.75	4.88437	(81011124)	382551.78	3745023.25	0.75187	(81112624)
382587.38	3745023.25	0.84316	(81112624)	382623.00	3745023.25	0.93625	(81112624)
382658.63	3745023.25	1.06717	(81112724)	382694.22	3745023.25	1.27090	(81112724)
382729.84	3745023.25	1.61113	(81010724)	382765.44	3745023.25	2.00496	(81010724)
382801.06	3745023.25	2.45598	(81010724)	382836.66	3745023.25	3.18764	(81121324)
382872.28	3745023.25	4.36596	(81010724)	382907.88	3745023.25	6.24132	(81010724)
382551.78	3745046.00	0.72201	(81112624)	382587.38	3745046.00	0.83444	(81112624)
382623.00	3745046.00	0.94991	(81112624)	382658.63	3745046.00	1.06526	(81112624)
382694.22	3745046.00	1.25657	(81112724)	382728.88	3745037.50	1.52387	(81112724)
382764.50	3745037.50	1.94204	(81010724)	382800.09	3745037.50	2.39601	(81010724)
382835.72	3745037.50	3.32955	(81121324)	382871.31	3745037.50	4.46413	(81121324)

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**MODELOPTs: PAGE 196
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	0.45744	(81010724)	382587.38	3744750.75	0.48316	(81010724)
382623.00	3744750.75	0.50985	(81010724)	382658.63	3744750.75	0.53682	(81010724)
382694.22	3744750.75	0.56250	(81010724)	382729.84	3744750.75	0.61711	(81122624)
382765.44	3744750.75	0.69831	(81122624)	382801.06	3744750.75	0.77814	(81122624)
382836.66	3744750.75	0.85293	(81122624)	382872.28	3744750.75	0.91640	(81122624)
382907.88	3744750.75	0.95887	(81122624)	382943.50	3744750.75	0.97294	(81122624)
382979.09	3744750.75	0.96230	(81122624)	383014.72	3744750.75	1.00197	(81122924)
383050.31	3744750.75	1.19396	(81122924)	382551.78	3744773.50	0.46359	(81010724)
382587.38	3744773.50	0.49104	(81010724)	382623.00	3744773.50	0.51986	(81010724)
382658.63	3744773.50	0.54935	(81010724)	382694.22	3744773.50	0.57891	(81010724)
382729.84	3744773.50	0.60755	(81122624)	382765.44	3744773.50	0.69487	(81122624)
382801.06	3744773.50	0.78351	(81122624)	382836.66	3744773.50	0.87090	(81122624)
382872.28	3744773.50	0.95130	(81122624)	382907.88	3744773.50	1.01275	(81122624)
382943.50	3744773.50	1.04323	(81122624)	382979.09	3744773.50	1.04007	(81122624)
383014.72	3744773.50	1.05633	(81122924)	383050.31	3744773.50	1.27669	(81122924)
382551.78	3744796.25	0.46906	(81010724)	382587.38	3744796.25	0.49907	(81010724)
382623.00	3744796.25	0.53022	(81010724)	382658.63	3744796.25	0.56203	(81010724)
382694.22	3744796.25	0.59468	(81010724)	382729.84	3744796.25	0.62743	(81010724)
382765.44	3744796.25	0.68835	(81122624)	382801.06	3744796.25	0.78430	(81122624)
382836.66	3744796.25	0.88310	(81122624)	382872.28	3744796.25	0.98082	(81122624)
382907.88	3744796.25	1.06561	(81122624)	382943.50	3744796.25	1.11850	(81122624)
382979.09	3744796.25	1.13031	(81122624)	383014.72	3744796.25	1.11142	(81122924)
383050.31	3744796.25	1.36041	(81122924)	382551.78	3744819.00	0.47262	(81010724)
382587.38	3744819.00	0.50655	(81010724)	382623.00	3744819.00	0.54082	(81010724)
382658.63	3744819.00	0.57535	(81010724)	382694.22	3744819.00	0.61087	(81010724)
382729.84	3744819.00	0.64774	(81010724)	382765.44	3744819.00	0.68452	(81010724)
382801.06	3744819.00	0.78121	(81122624)	382836.66	3744819.00	0.88929	(81122624)
382872.28	3744819.00	1.00307	(81122624)	382907.88	3744819.00	1.11286	(81122624)
382943.50	3744819.00	1.19566	(81122624)	382979.09	3744819.00	1.23188	(81122624)
383014.72	3744819.00	1.21692	(81122624)	383050.31	3744819.00	1.45860	(81122924)
382551.78	3744841.75	0.47264	(81010724)	382587.38	3744841.75	0.51176	(81010724)
382623.00	3744841.75	0.55042	(81010724)	382658.63	3744841.75	0.58873	(81010724)
382694.22	3744841.75	0.62772	(81010724)	382729.84	3744841.75	0.66843	(81010724)
382765.44	3744841.75	0.71071	(81010724)	382801.06	3744841.75	0.77557	(81122624)
382836.66	3744841.75	0.89041	(81122624)	382872.28	3744841.75	1.01736	(81122624)
382907.88	3744841.75	1.15149	(81122624)	382943.50	3744841.75	1.27128	(81122624)
382979.09	3744841.75	1.34162	(81122624)	383014.72	3744841.75	1.34901	(81122624)
383050.31	3744841.75	1.55320	(81122924)	382551.78	3744864.50	0.46769	(81010724)
382587.38	3744864.50	0.51252	(81010724)	382623.00	3744864.50	0.55688	(81010724)
382658.63	3744864.50	0.60061	(81010724)	382694.22	3744864.50	0.64443	(81010724)

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**MODELOPTs: PAGE 197
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	0.68970	(81010724)	382765.44	3744864.50	0.73739	(81010724)
382801.06	3744864.50	0.78720	(81010724)	382836.66	3744864.50	0.88792	(81122624)
382872.28	3744864.50	1.02386	(81122624)	382907.88	3744864.50	1.17896	(81122624)
382943.50	3744864.50	1.33835	(81122624)	382979.09	3744864.50	1.46019	(81122624)
383014.72	3744864.50	1.50448	(81122624)	383050.31	3744864.50	1.64865	(81122924)
382551.78	3744887.00	0.45690	(81010724)	382587.38	3744887.00	0.50729	(81010724)
382623.00	3744887.00	0.55810	(81010724)	382658.63	3744887.00	0.60856	(81010724)
382694.22	3744887.00	0.65880	(81010724)	382729.84	3744887.00	0.71004	(81010724)
382765.44	3744887.00	0.76383	(81010724)	382801.06	3744887.00	0.82139	(81010724)
382836.66	3744887.00	0.88446	(81122624)	382872.28	3744887.00	1.02520	(81122624)
382907.88	3744887.00	1.19499	(81122624)	382943.50	3744887.00	1.38998	(81122624)
382979.09	3744887.00	1.57287	(81122624)	383014.72	3744887.00	1.67701	(81122624)
383050.31	3744887.00	1.74329	(81122924)	382551.78	3744909.75	0.43989	(81010724)
382587.38	3744909.75	0.49514	(81010724)	382623.00	3744909.75	0.55241	(81010724)
382658.63	3744909.75	0.61038	(81010724)	382694.22	3744909.75	0.66846	(81010724)
382729.84	3744909.75	0.72738	(81010724)	382765.44	3744909.75	0.78877	(81010724)
382801.06	3744909.75	0.85495	(81010724)	382836.66	3744909.75	0.92691	(81010724)
382872.28	3744909.75	1.02465	(81122624)	382907.88	3744909.75	1.20207	(81122624)
382943.50	3744909.75	1.42586	(81122624)	382979.09	3744909.75	1.67281	(81122624)
383014.72	3744909.75	1.86941	(81122624)	382551.78	3744932.50	0.41745	(81010724)
382587.38	3744932.50	0.47618	(81010724)	382623.00	3744932.50	0.53899	(81010724)
382658.63	3744932.50	0.60424	(81010724)	382694.22	3744932.50	0.67072	(81010724)
382729.84	3744932.50	0.73849	(81010724)	382765.44	3744932.50	0.80884	(81010724)
382801.06	3744932.50	0.88469	(81010724)	382836.66	3744932.50	0.96900	(81010724)
382872.28	3744932.50	1.06295	(81010724)	382907.88	3744932.50	1.20433	(81122624)
382943.50	3744932.50	1.44478	(81122624)	382979.09	3744932.50	1.74839	(81122624)
383014.72	3744932.50	2.05168	(81122624)	382551.78	3744955.25	0.41395	(81112624)
382587.38	3744955.25	0.45141	(81010724)	382623.00	3744955.25	0.51824	(81010724)
382658.63	3744955.25	0.58973	(81010724)	382694.22	3744955.25	0.66422	(81010724)
382729.84	3744955.25	0.74110	(81010724)	382765.44	3744955.25	0.82106	(81010724)
382801.06	3744955.25	0.90713	(81010724)	382836.66	3744955.25	1.00376	(81010724)
382872.28	3744955.25	1.11590	(81010724)	382907.88	3744955.25	1.24442	(81010724)
382943.50	3744955.25	1.45188	(81122624)	382979.09	3744955.25	1.79958	(81122624)
383014.72	3744955.25	2.21820	(81122624)	382551.78	3744978.00	0.41761	(81112624)
382587.38	3744978.00	0.44730	(81112624)	382623.00	3744978.00	0.49144	(81010724)
382658.63	3744978.00	0.56768	(81010724)	382694.22	3744978.00	0.64915	(81010724)
382729.84	3744978.00	0.73461	(81010724)	382765.44	3744978.00	0.82398	(81010724)
382801.06	3744978.00	0.91996	(81010724)	382836.66	3744978.00	1.02781	(81010724)
382872.28	3744978.00	1.15575	(81010724)	382907.88	3744978.00	1.31159	(81010724)
382943.50	3744978.00	1.49714	(81010724)	382979.09	3744978.00	1.82588	(81122624)

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS3_25 ***
INCLUDING SOURCE(S): L0003075, L0003076, L0003077, L0003078, L0003079, L0003080, L0003081,
L0003082, L0003111, L0003112, L0003113, L0003114, L0003115, L0003116, L0003117, L0003118,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	2.33666	(81122624)	382551.78	3745000.75	0.41869	(81112624)
382587.38	3745000.75	0.45126	(81112624)	382623.00	3745000.75	0.48605	(81112624)
382658.63	3745000.75	0.53956	(81010724)	382694.22	3745000.75	0.62684	(81010724)
382729.84	3745000.75	0.72014	(81010724)	382765.44	3745000.75	0.81839	(81010724)
382801.06	3745000.75	0.92343	(81010724)	382836.66	3745000.75	1.04058	(81010724)
382872.28	3745000.75	1.18018	(81010724)	382907.88	3745000.75	1.35657	(81010724)
382943.50	3745000.75	1.58367	(81010724)	382551.78	3745023.25	0.41641	(81112624)
382587.38	3745023.25	0.45256	(81112624)	382623.00	3745023.25	0.49077	(81112624)
382658.63	3745023.25	0.53184	(81112624)	382694.22	3745023.25	0.59909	(81010724)
382729.84	3745023.25	0.69979	(81010724)	382765.44	3745023.25	0.80690	(81010724)
382801.06	3745023.25	0.92070	(81010724)	382836.66	3745023.25	1.04552	(81010724)
382872.28	3745023.25	1.19237	(81010724)	382907.88	3745023.25	1.37947	(81010724)
382551.78	3745046.00	0.40931	(81112624)	382587.38	3745046.00	0.44980	(81112624)
382623.00	3745046.00	0.49261	(81112624)	382658.63	3745046.00	0.53809	(81112624)
382694.22	3745046.00	0.58856	(81112724)	382728.88	3745037.50	0.68133	(81010724)
382764.50	3745037.50	0.79454	(81010724)	382800.09	3745037.50	0.91435	(81010724)
382835.72	3745037.50	1.04405	(81010724)	382871.31	3745037.50	1.19332	(81010724)

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	0.47140	(81010724)	382587.38	3744750.75	0.53077	(81010724)
382623.00	3744750.75	0.59860	(81010724)	382658.63	3744750.75	0.67414	(81010724)
382694.22	3744750.75	0.75536	(81010724)	382729.84	3744750.75	0.83815	(81010724)
382765.44	3744750.75	0.91564	(81010724)	382801.06	3744750.75	0.97644	(81010724)
382836.66	3744750.75	1.23732	(81122624)	382872.28	3744750.75	1.63135	(81122624)
382907.88	3744750.75	1.99810	(81122624)	382943.50	3744750.75	2.17788	(81122624)
382979.09	3744750.75	1.98218	(81122624)	383014.72	3744750.75	1.86258	(81122924)
383050.31	3744750.75	2.44819	(81122924)	382551.78	3744773.50	0.45266	(81010724)
382587.38	3744773.50	0.51498	(81010724)	382623.00	3744773.50	0.58843	(81010724)
382658.63	3744773.50	0.67173	(81010724)	382694.22	3744773.50	0.76490	(81010724)
382729.84	3744773.50	0.86610	(81010724)	382765.44	3744773.50	0.97111	(81010724)
382801.06	3744773.50	1.07174	(81010724)	382836.66	3744773.50	1.14917	(81010724)
382872.28	3744773.50	1.58495	(81122624)	382907.88	3744773.50	2.06903	(81122624)
382943.50	3744773.50	2.44861	(81122624)	382979.09	3744773.50	2.46770	(81122624)
383014.72	3744773.50	1.97138	(81122924)	383050.31	3744773.50	2.77145	(81122924)
382551.78	3744796.25	0.42579	(81112624)	382587.38	3744796.25	0.48919	(81010724)
382623.00	3744796.25	0.56585	(81010724)	382658.63	3744796.25	0.65481	(81010724)
382694.22	3744796.25	0.75699	(81010724)	382729.84	3744796.25	0.87348	(81010724)
382765.44	3744796.25	1.00288	(81010724)	382801.06	3744796.25	1.14142	(81010724)
382836.66	3744796.25	1.27548	(81010724)	382872.28	3744796.25	1.48876	(81122624)
382907.88	3744796.25	2.06928	(81122624)	382943.50	3744796.25	2.65300	(81122624)
382979.09	3744796.25	2.98084	(81122624)	383014.72	3744796.25	2.63880	(81122624)
383050.31	3744796.25	3.16617	(81122924)	382551.78	3744819.00	0.43604	(81112624)
382587.38	3744819.00	0.46926	(81112624)	382623.00	3744819.00	0.53185	(81010724)
382658.63	3744819.00	0.62333	(81010724)	382694.22	3744819.00	0.73092	(81010724)
382729.84	3744819.00	0.85817	(81010724)	382765.44	3744819.00	1.00608	(81010724)
382801.06	3744819.00	1.17561	(81010724)	382836.66	3744819.00	1.36230	(81010724)
382872.28	3744819.00	1.55022	(81010724)	382907.88	3744819.00	1.98668	(81122624)
382943.50	3744819.00	2.75150	(81122624)	382979.09	3744819.00	3.44671	(81122624)
383014.72	3744819.00	3.53620	(81122624)	383050.31	3744819.00	3.65889	(81122924)
382551.78	3744841.75	0.43575	(81112624)	382587.38	3744841.75	0.47631	(81112624)
382623.00	3744841.75	0.52028	(81112624)	382658.63	3744841.75	0.57870	(81010724)
382694.22	3744841.75	0.68758	(81010724)	382729.84	3744841.75	0.81936	(81010724)
382765.44	3744841.75	0.97825	(81010724)	382801.06	3744841.75	1.17016	(81010724)
382836.66	3744841.75	1.39838	(81010724)	382872.28	3744841.75	1.66047	(81010724)
382907.88	3744841.75	1.93835	(81010724)	382943.50	3744841.75	2.73166	(81122624)
382979.09	3744841.75	3.76591	(81122624)	383014.72	3744841.75	4.56623	(81122624)
383050.31	3744841.75	4.29632	(81122924)	382551.78	3744864.50	0.42653	(81112624)
382587.38	3744864.50	0.47189	(81112624)	382623.00	3744864.50	0.52221	(81112624)
382658.63	3744864.50	0.57747	(81112624)	382694.22	3744864.50	0.63799	(81112624)

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**MODELOPTs: PAGE 200
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	0.76109	(81010724)	382765.44	3744864.50	0.92311	(81010724)
382801.06	3744864.50	1.12506	(81010724)	382836.66	3744864.50	1.37726	(81010724)
382872.28	3744864.50	1.69150	(81010724)	382907.88	3744864.50	2.07592	(81010724)
382943.50	3744864.50	2.59164	(81122624)	382979.09	3744864.50	3.94674	(81122624)
383014.72	3744864.50	5.57462	(81122624)	383050.31	3744864.50	4.32283	(81122624)
382551.78	3744887.00	0.41013	(81112624)	382587.38	3744887.00	0.45788	(81112624)
382623.00	3744887.00	0.51185	(81112624)	382658.63	3744887.00	0.57296	(81112624)
382694.22	3744887.00	0.64225	(81112624)	382729.84	3744887.00	0.72114	(81112624)
382765.44	3744887.00	0.84712	(81010724)	382801.06	3744887.00	1.04819	(81010724)
382836.66	3744887.00	1.30699	(81010724)	382872.28	3744887.00	1.64507	(81010724)
382907.88	3744887.00	2.09088	(81010724)	382943.50	3744887.00	2.68658	(81010724)
382979.09	3744887.00	3.89774	(81122624)	383014.72	3744887.00	6.29564	(81122624)
383050.31	3744887.00	3.33630	(81122624)	382551.78	3744909.75	0.38798	(81112624)
382587.38	3744909.75	0.43624	(81112624)	382623.00	3744909.75	0.49164	(81112624)
382658.63	3744909.75	0.55554	(81112624)	382694.22	3744909.75	0.62968	(81112624)
382729.84	3744909.75	0.71590	(81112624)	382765.44	3744909.75	0.81799	(81112624)
382801.06	3744909.75	0.94819	(81010724)	382836.66	3744909.75	1.20010	(81010724)
382872.28	3744909.75	1.53841	(81010724)	382907.88	3744909.75	2.00397	(81010724)
382943.50	3744909.75	2.66777	(81010724)	382979.09	3744909.75	3.65849	(81010724)
383014.72	3744909.75	4.50424	(81122624)	382551.78	3744932.50	0.37457	(81120424)
382587.38	3744932.50	0.40906	(81112624)	382623.00	3744932.50	0.46393	(81112624)
382658.63	3744932.50	0.52795	(81112624)	382694.22	3744932.50	0.60324	(81112624)
382729.84	3744932.50	0.69296	(81112624)	382765.44	3744932.50	0.80115	(81112624)
382801.06	3744932.50	0.93393	(81112624)	382836.66	3744932.50	1.09980	(81112624)
382872.28	3744932.50	1.39320	(81010724)	382907.88	3744932.50	1.84610	(81010724)
382943.50	3744932.50	2.50934	(81010724)	382979.09	3744932.50	3.52465	(81010724)
383014.72	3744932.50	5.11705	(81121324)	382551.78	3744955.25	0.37640	(81120424)
382587.38	3744955.25	0.40631	(81120424)	382623.00	3744955.25	0.44071	(81120424)
382658.63	3744955.25	0.49312	(81112624)	382694.22	3744955.25	0.56679	(81112624)
382729.84	3744955.25	0.65537	(81112624)	382765.44	3744955.25	0.76344	(81112624)
382801.06	3744955.25	0.89822	(81112624)	382836.66	3744955.25	1.07009	(81112624)
382872.28	3744955.25	1.30044	(81112724)	382907.88	3744955.25	1.65614	(81112724)
382943.50	3744955.25	2.28670	(81010724)	382979.09	3744955.25	3.29365	(81010724)
383014.72	3744955.25	4.60478	(81010724)	382551.78	3744978.00	0.36772	(81120424)
382587.38	3744978.00	0.39860	(81120424)	382623.00	3744978.00	0.43441	(81120424)
382658.63	3744978.00	0.47647	(81120424)	382694.22	3744978.00	0.52670	(81120424)
382729.84	3744978.00	0.60898	(81112624)	382765.44	3744978.00	0.71307	(81112624)
382801.06	3744978.00	0.84377	(81112624)	382836.66	3744978.00	1.01231	(81112624)
382872.28	3744978.00	1.23780	(81112624)	382907.88	3744978.00	1.57552	(81112724)
382943.50	3744978.00	2.11472	(81112724)	382979.09	3744978.00	3.08294	(81010724)

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**MODELOPTs: PAGE 201
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: CONS4_25 ***
INCLUDING SOURCE(S): L0003083, L0003084, L0003085, L0003086, L0003087, L0003119, L0003120,
L0003121, L0003122, L0003123,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	4.14397	(81010724)	382551.78	3745000.75	0.35110	(81120424)
382587.38	3745000.75	0.38190	(81120424)	382623.00	3745000.75	0.41788	(81120424)
382658.63	3745000.75	0.46056	(81120424)	382694.22	3745000.75	0.51210	(81120424)
382729.84	3745000.75	0.57664	(81120424)	382765.44	3745000.75	0.65803	(81120424)
382801.06	3745000.75	0.77651	(81112624)	382836.66	3745000.75	0.93426	(81112624)
382872.28	3745000.75	1.14570	(81112624)	382907.88	3745000.75	1.47007	(81102024)
382943.50	3745000.75	1.97253	(81102024)	382551.78	3745023.25	0.32971	(81120424)
382587.38	3745023.25	0.35990	(81120424)	382623.00	3745023.25	0.39546	(81120424)
382658.63	3745023.25	0.44109	(81120624)	382694.22	3745023.25	0.49788	(81120624)
382729.84	3745023.25	0.56619	(81120624)	382765.44	3745023.25	0.64915	(81120624)
382801.06	3745023.25	0.78968	(81102024)	382836.66	3745023.25	0.97195	(81102024)
382872.28	3745023.25	1.21295	(81102024)	382907.88	3745023.25	1.55109	(81102024)
382551.78	3745046.00	0.33697	(81120624)	382587.38	3745046.00	0.37203	(81120624)
382623.00	3745046.00	0.41268	(81120624)	382658.63	3745046.00	0.46007	(81120624)
382694.22	3745046.00	0.51566	(81120624)	382728.88	3745037.50	0.57610	(81120624)
382764.50	3745037.50	0.68387	(81102024)	382800.09	3745037.50	0.82449	(81102024)
382835.72	3745037.50	1.00429	(81102024)	382871.31	3745037.50	1.23986	(81102024)

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**MODELOPTs: PAGE 202
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382551.78	3744750.75	0.48235	(81010724)	382587.38	3744750.75	0.51120	(81010724)
382623.00	3744750.75	0.54146	(81010724)	382658.63	3744750.75	0.57240	(81010724)
382694.22	3744750.75	0.60234	(81010724)	382729.84	3744750.75	0.64023	(81122624)
382765.44	3744750.75	0.73167	(81122624)	382801.06	3744750.75	0.82543	(81122624)
382836.66	3744750.75	0.91807	(81122624)	382872.28	3744750.75	1.00217	(81122624)
382907.88	3744750.75	1.06375	(81122624)	382943.50	3744750.75	1.08706	(81122624)
382979.09	3744750.75	1.06596	(81122624)	383014.72	3744750.75	1.09913	(81122924)
383050.31	3744750.75	1.32155	(81122924)	382551.78	3744773.50	0.48751	(81010724)
382587.38	3744773.50	0.51825	(81010724)	382623.00	3744773.50	0.55093	(81010724)
382658.63	3744773.50	0.58479	(81010724)	382694.22	3744773.50	0.61925	(81010724)
382729.84	3744773.50	0.65242	(81010724)	382765.44	3744773.50	0.72369	(81122624)
382801.06	3744773.50	0.82560	(81122624)	382836.66	3744773.50	0.93110	(81122624)
382872.28	3744773.50	1.03459	(81122624)	382907.88	3744773.50	1.12129	(81122624)
382943.50	3744773.50	1.17141	(81122624)	382979.09	3744773.50	1.16891	(81122624)
383014.72	3744773.50	1.15891	(81122924)	383050.31	3744773.50	1.42071	(81122924)
382551.78	3744796.25	0.49155	(81010724)	382587.38	3744796.25	0.52491	(81010724)
382623.00	3744796.25	0.56009	(81010724)	382658.63	3744796.25	0.59658	(81010724)
382694.22	3744796.25	0.63458	(81010724)	382729.84	3744796.25	0.67344	(81010724)
382765.44	3744796.25	0.71271	(81122624)	382801.06	3744796.25	0.82084	(81122624)
382836.66	3744796.25	0.93715	(81122624)	382872.28	3744796.25	1.05902	(81122624)
382907.88	3744796.25	1.17408	(81122624)	382943.50	3744796.25	1.25724	(81122624)
382979.09	3744796.25	1.28567	(81122624)	383014.72	3744796.25	1.24597	(81122624)
383050.31	3744796.25	1.52431	(81122924)	382551.78	3744819.00	0.49329	(81010724)
382587.38	3744819.00	0.53057	(81010724)	382623.00	3744819.00	0.56890	(81010724)
382658.63	3744819.00	0.60823	(81010724)	382694.22	3744819.00	0.64939	(81010724)
382729.84	3744819.00	0.69294	(81010724)	382765.44	3744819.00	0.73745	(81010724)
382801.06	3744819.00	0.81221	(81122624)	382836.66	3744819.00	0.93650	(81122624)
382872.28	3744819.00	1.07407	(81122624)	382907.88	3744819.00	1.21695	(81122624)
382943.50	3744819.00	1.33941	(81122624)	382979.09	3744819.00	1.41123	(81122624)
383014.72	3744819.00	1.39987	(81122624)	383050.31	3744819.00	1.64705	(81122924)
382551.78	3744841.75	0.49124	(81010724)	382587.38	3744841.75	0.53359	(81010724)
382623.00	3744841.75	0.57619	(81010724)	382658.63	3744841.75	0.61925	(81010724)
382694.22	3744841.75	0.66396	(81010724)	382729.84	3744841.75	0.71157	(81010724)
382765.44	3744841.75	0.76216	(81010724)	382801.06	3744841.75	0.81429	(81010724)
382836.66	3744841.75	0.93064	(81122624)	382872.28	3744841.75	1.07989	(81122624)
382907.88	3744841.75	1.24750	(81122624)	382943.50	3744841.75	1.41385	(81122624)
382979.09	3744841.75	1.53734	(81122624)	383014.72	3744841.75	1.58431	(81122624)
383050.31	3744841.75	1.77289	(81122924)	382551.78	3744864.50	0.48408	(81010724)
382587.38	3744864.50	0.53192	(81010724)	382623.00	3744864.50	0.57999	(81010724)
382658.63	3744864.50	0.62825	(81010724)	382694.22	3744864.50	0.67763	(81010724)

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**MODELOPTs: PAGE 203
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
382729.84	3744864.50	0.72977	(81010724)	382765.44	3744864.50	0.78593	(81010724)
382801.06	3744864.50	0.84627	(81010724)	382836.66	3744864.50	0.92142	(81122624)
382872.28	3744864.50	1.07739	(81122624)	382907.88	3744864.50	1.26440	(81122624)
382943.50	3744864.50	1.47348	(81122624)	382979.09	3744864.50	1.66486	(81122624)
383014.72	3744864.50	1.79053	(81122624)	383050.31	3744864.50	1.79126	(81122924)
382551.78	3744887.00	0.47107	(81010724)	382587.38	3744887.00	0.52419	(81010724)
382623.00	3744887.00	0.57838	(81010724)	382658.63	3744887.00	0.63304	(81010724)
382694.22	3744887.00	0.68852	(81010724)	382729.84	3744887.00	0.74632	(81010724)
382765.44	3744887.00	0.80838	(81010724)	382801.06	3744887.00	0.87642	(81010724)
382836.66	3744887.00	0.95002	(81010724)	382872.28	3744887.00	1.06995	(81122624)
382907.88	3744887.00	1.26860	(81122624)	382943.50	3744887.00	1.51211	(81122624)
382979.09	3744887.00	1.77455	(81122624)	383014.72	3744887.00	1.99889	(81122624)
383050.31	3744887.00	1.90938	(81122924)	382551.78	3744909.75	0.45191	(81010724)
382587.38	3744909.75	0.50955	(81010724)	382623.00	3744909.75	0.56981	(81010724)
382658.63	3744909.75	0.63155	(81010724)	382694.22	3744909.75	0.69439	(81010724)
382729.84	3744909.75	0.75938	(81010724)	382765.44	3744909.75	0.82853	(81010724)
382801.06	3744909.75	0.90473	(81010724)	382836.66	3744909.75	0.98980	(81010724)
382872.28	3744909.75	1.08291	(81010724)	382907.88	3744909.75	1.26353	(81122624)
382943.50	3744909.75	1.53051	(81122624)	382979.09	3744909.75	1.85061	(81122624)
383014.72	3744909.75	2.10133	(81122624)	382551.78	3744932.50	0.42746	(81010724)
382587.38	3744932.50	0.48825	(81010724)	382623.00	3744932.50	0.55364	(81010724)
382658.63	3744932.50	0.62218	(81010724)	382694.22	3744932.50	0.69286	(81010724)
382729.84	3744932.50	0.76605	(81010724)	382765.44	3744932.50	0.84346	(81010724)
382801.06	3744932.50	0.92855	(81010724)	382836.66	3744932.50	1.02513	(81010724)
382872.28	3744932.50	1.13577	(81010724)	382907.88	3744932.50	1.25812	(81010724)
382943.50	3744932.50	1.53185	(81122624)	382979.09	3744932.50	1.90148	(81122624)
383014.72	3744932.50	2.30838	(81122624)	382551.78	3744955.25	0.43155	(81112624)
382587.38	3744955.25	0.46134	(81010724)	382623.00	3744955.25	0.53037	(81010724)
382658.63	3744955.25	0.60465	(81010724)	382694.22	3744955.25	0.68275	(81010724)
382729.84	3744955.25	0.76434	(81010724)	382765.44	3744955.25	0.85052	(81010724)
382801.06	3744955.25	0.94486	(81010724)	382836.66	3744955.25	1.05262	(81010724)
382872.28	3744955.25	1.18009	(81010724)	382907.88	3744955.25	1.33038	(81010724)
382943.50	3744955.25	1.52520	(81122624)	382979.09	3744955.25	1.93746	(81122624)
383014.72	3744955.25	2.44291	(81122624)	382551.78	3744978.00	0.43360	(81112624)
382587.38	3744978.00	0.46553	(81112624)	382623.00	3744978.00	0.50129	(81010724)
382658.63	3744978.00	0.57987	(81010724)	382694.22	3744978.00	0.66439	(81010724)
382729.84	3744978.00	0.75384	(81010724)	382765.44	3744978.00	0.84853	(81010724)
382801.06	3744978.00	0.95168	(81010724)	382836.66	3744978.00	1.06933	(81010724)
382872.28	3744978.00	1.21091	(81010724)	382907.88	3744978.00	1.38636	(81010724)
382943.50	3744978.00	1.60303	(81010724)	382979.09	3744978.00	1.93927	(81122624)

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CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OVLP_25 ***
INCLUDING SOURCE(S): L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143,
L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155,
L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
383014.72	3744978.00	2.53456	(81122624)	382551.78	3745000.75	0.43302	(81112624)
382587.38	3745000.75	0.46764	(81112624)	382623.00	3745000.75	0.50486	(81112624)
382658.63	3745000.75	0.54934	(81010724)	382694.22	3745000.75	0.63913	(81010724)
382729.84	3745000.75	0.73577	(81010724)	382765.44	3745000.75	0.83848	(81010724)
382801.06	3745000.75	0.94960	(81010724)	382836.66	3745000.75	1.07513	(81010724)
382872.28	3745000.75	1.22665	(81010724)	382907.88	3745000.75	1.42041	(81010724)
382943.50	3745000.75	1.67494	(81010724)	382551.78	3745023.25	0.42911	(81112624)
382587.38	3745023.25	0.46711	(81112624)	382623.00	3745023.25	0.50752	(81112624)
382658.63	3745023.25	0.55123	(81112624)	382694.22	3745023.25	0.60883	(81010724)
382729.84	3745023.25	0.71226	(81010724)	382765.44	3745023.25	0.82306	(81010724)
382801.06	3745023.25	0.94194	(81010724)	382836.66	3745023.25	1.07389	(81010724)
382872.28	3745023.25	1.23096	(81010724)	382907.88	3745023.25	1.43326	(81010724)
382551.78	3745046.00	0.42043	(81112624)	382587.38	3745046.00	0.46254	(81112624)
382623.00	3745046.00	0.50729	(81112624)	382658.63	3745046.00	0.55512	(81112624)
382694.22	3745046.00	0.60740	(81112724)	382728.88	3745037.50	0.69194	(81010724)

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    382764.50  3745037.50       0.80837  (81010724)              382800.09  3745037.50       0.93265  (81010724)
    382835.72  3745037.50       1.06867  (81010724)              382871.31  3745037.50       1.22713  (81010724)
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 **MODELOPTs:                                                                                    PAGE 205
 CONC               URBAN ELEV  FLGPOL                    NOCALM                                  HE>ZI

                              *** THE SUMMARY OF MAXIMUM PERIOD ( 8760 HRS) RESULTS ***

                           ** CONC OF PM/NOX   IN MICROGRAMS/M**3                              **

                                                                                       NETWORK
 GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZFLAG)  OF TYPE  GRID-ID
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 CONST1NX 1ST HIGHEST VALUE IS     10.83684 AT (  382871.31,  3745037.50,    13.72,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      9.37003 AT (  382835.72,  3745037.50,    12.34,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      9.25318 AT (  382872.28,  3745023.25,    13.93,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      8.35673 AT (  382907.88,  3745023.25,    14.67,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      8.30095 AT (  382800.09,  3745037.50,    10.34,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      8.24199 AT (  382836.66,  3745023.25,    12.37,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      7.91136 AT (  382872.28,  3744978.00,    12.78,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      7.81372 AT (  382801.06,  3745023.25,     9.78,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      7.79023 AT (  382836.66,  3745000.75,    11.66,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      7.67086 AT (  382872.28,  3745000.75,    13.40,     1.80)  DC      NA

 CONST2NX 1ST HIGHEST VALUE IS     25.14740 AT (  382907.88,  3745023.25,    14.67,     1.80)  DC      NA
          2ND HIGHEST VALUE IS     21.65063 AT (  382943.50,  3744978.00,    12.20,     1.80)  DC      NA
          3RD HIGHEST VALUE IS     21.20477 AT (  382907.88,  3745000.75,    14.90,     1.80)  DC      NA
          4TH HIGHEST VALUE IS     18.47315 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          5TH HIGHEST VALUE IS     17.75646 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          6TH HIGHEST VALUE IS     17.32047 AT (  382871.31,  3745037.50,    13.72,     1.80)  DC      NA
          7TH HIGHEST VALUE IS     17.12535 AT (  382907.88,  3744978.00,    14.34,     1.80)  DC      NA
          8TH HIGHEST VALUE IS     17.02681 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          9TH HIGHEST VALUE IS     16.93080 AT (  382943.50,  3744955.25,    12.17,     1.80)  DC      NA
         10TH HIGHEST VALUE IS     16.41035 AT (  382872.28,  3745023.25,    13.93,     1.80)  DC      NA

 CONST3NX 1ST HIGHEST VALUE IS      9.88138 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      8.76732 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      7.97675 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      7.80803 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      7.44373 AT (  383050.31,  3744887.00,     6.10,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      7.21870 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      7.05573 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      6.99839 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      6.67862 AT (  383050.31,  3744864.50,     6.10,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      6.54178 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA
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 **MODELOPTs:                                                                                    PAGE 206
 CONC               URBAN ELEV  FLGPOL                    NOCALM                                  HE>ZI

                              *** THE SUMMARY OF MAXIMUM PERIOD ( 8760 HRS) RESULTS ***

                           ** CONC OF PM/NOX   IN MICROGRAMS/M**3                              **

                                                                                       NETWORK
 GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZFLAG)  OF TYPE  GRID-ID
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 CONST4NX 1ST HIGHEST VALUE IS     14.14344 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS     13.19735 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS     11.02299 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          4TH HIGHEST VALUE IS     10.00790 AT (  383014.72,  3744887.00,     4.70,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      9.76939 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      9.24198 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      9.13176 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      8.78128 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      8.64067 AT (  383014.72,  3744864.50,     5.31,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      8.22592 AT (  382979.09,  3744909.75,     5.18,     1.80)  DC      NA

 CONST1PM 1ST HIGHEST VALUE IS      1.79744 AT (  382871.31,  3745037.50,    13.72,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      1.54604 AT (  382835.72,  3745037.50,    12.34,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      1.52653 AT (  382872.28,  3745023.25,    13.93,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      1.37871 AT (  382907.88,  3745023.25,    14.67,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      1.36064 AT (  382800.09,  3745037.50,    10.34,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      1.35425 AT (  382836.66,  3745023.25,    12.37,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      1.29733 AT (  382872.28,  3744978.00,    12.78,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      1.27851 AT (  382801.06,  3745023.25,     9.78,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      1.27686 AT (  382836.66,  3745000.75,    11.66,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      1.25805 AT (  382872.28,  3745000.75,    13.40,     1.80)  DC      NA

 CONST2PM 1ST HIGHEST VALUE IS      5.33065 AT (  382907.88,  3745023.25,    14.67,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      4.59450 AT (  382943.50,  3744978.00,    12.20,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      4.47748 AT (  382907.88,  3745000.75,    14.90,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      3.93308 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      3.75912 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      3.63422 AT (  382871.31,  3745037.50,    13.72,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      3.60090 AT (  382907.88,  3744978.00,    14.34,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      3.59708 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      3.56725 AT (  382943.50,  3744955.25,    12.17,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      3.44020 AT (  382872.28,  3745023.25,    13.93,     1.80)  DC      NA
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 CONC               URBAN ELEV  FLGPOL                    NOCALM                                  HE>ZI

                              *** THE SUMMARY OF MAXIMUM PERIOD ( 8760 HRS) RESULTS ***

                           ** CONC OF PM/NOX   IN MICROGRAMS/M**3                              **

                                                                                       NETWORK
 GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZFLAG)  OF TYPE  GRID-ID
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 CONST3PM 1ST HIGHEST VALUE IS      1.74731 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      1.54774 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      1.40616 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      1.37637 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      1.31209 AT (  383050.31,  3744887.00,     6.10,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      1.27099 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      1.24209 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      1.23208 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      1.17581 AT (  383050.31,  3744864.50,     6.10,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      1.15055 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA

 CONST4PM 1ST HIGHEST VALUE IS      4.89130 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      4.57601 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      3.81835 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      3.46425 AT (  383014.72,  3744887.00,     4.70,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      3.37938 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      3.16160 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      3.12670 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      3.00800 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      2.98259 AT (  383014.72,  3744864.50,     5.31,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      2.81741 AT (  382979.09,  3744909.75,     5.18,     1.80)  DC      NA

 OVLP-NOX 1ST HIGHEST VALUE IS     20.76917 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS     19.07604 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS     16.25841 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          4TH HIGHEST VALUE IS     14.59057 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          5TH HIGHEST VALUE IS     14.46197 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          6TH HIGHEST VALUE IS     14.22456 AT (  383014.72,  3744887.00,     4.70,     1.80)  DC      NA
          7TH HIGHEST VALUE IS     13.97203 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          8TH HIGHEST VALUE IS     13.16768 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA
          9TH HIGHEST VALUE IS     12.45484 AT (  383014.72,  3744864.50,     5.31,     1.80)  DC      NA
         10TH HIGHEST VALUE IS     12.20854 AT (  382979.09,  3744909.75,     5.18,     1.80)  DC      NA
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 CONC               URBAN ELEV  FLGPOL                    NOCALM                                  HE>ZI

                              *** THE SUMMARY OF MAXIMUM PERIOD ( 8760 HRS) RESULTS ***

                           ** CONC OF PM/NOX   IN MICROGRAMS/M**3                              **

                                                                                       NETWORK
 GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZFLAG)  OF TYPE  GRID-ID
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 OVLP-PM  1ST HIGHEST VALUE IS      1.84596 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      1.63990 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      1.47033 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      1.45331 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      1.35542 AT (  383050.31,  3744887.00,     6.10,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      1.33443 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      1.30023 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      1.28210 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      1.22031 AT (  383050.31,  3744864.50,     6.10,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      1.21156 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA

 CONS1_25 1ST HIGHEST VALUE IS      0.43191 AT (  382871.31,  3745037.50,    13.72,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      0.37174 AT (  382835.72,  3745037.50,    12.34,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      0.36706 AT (  382872.28,  3745023.25,    13.93,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      0.33151 AT (  382907.88,  3745023.25,    14.67,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      0.32744 AT (  382800.09,  3745037.50,    10.34,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      0.32580 AT (  382836.66,  3745023.25,    12.37,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      0.31218 AT (  382872.28,  3744978.00,    12.78,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      0.30774 AT (  382801.06,  3745023.25,     9.78,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      0.30728 AT (  382836.66,  3745000.75,    11.66,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      0.30273 AT (  382872.28,  3745000.75,    13.40,     1.80)  DC      NA

 CONS2_25 1ST HIGHEST VALUE IS      1.43602 AT (  382907.88,  3745023.25,    14.67,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      1.23741 AT (  382943.50,  3744978.00,    12.20,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      1.20722 AT (  382907.88,  3745000.75,    14.90,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      1.05851 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      1.01296 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      0.98124 AT (  382871.31,  3745037.50,    13.72,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      0.97178 AT (  382907.88,  3744978.00,    14.34,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      0.96974 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      0.96227 AT (  382943.50,  3744955.25,    12.17,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      0.92904 AT (  382872.28,  3745023.25,    13.93,     1.80)  DC      NA
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 **MODELOPTs:                                                                                    PAGE 209
 CONC               URBAN ELEV  FLGPOL                    NOCALM                                  HE>ZI

                              *** THE SUMMARY OF MAXIMUM PERIOD ( 8760 HRS) RESULTS ***

                           ** CONC OF PM/NOX   IN MICROGRAMS/M**3                              **

                                                                                       NETWORK
 GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV, ZFLAG)  OF TYPE  GRID-ID
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 CONS3_25 1ST HIGHEST VALUE IS      0.48950 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      0.43377 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      0.39423 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      0.38589 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      0.36787 AT (  383050.31,  3744887.00,     6.10,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      0.35645 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      0.34835 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      0.34554 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      0.32976 AT (  383050.31,  3744864.50,     6.10,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      0.32276 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA

 CONS4_25 1ST HIGHEST VALUE IS      1.19900 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      1.12129 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      0.93577 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      0.84908 AT (  383014.72,  3744887.00,     4.70,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      0.82835 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      0.77622 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      0.76755 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      0.73836 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      0.73132 AT (  383014.72,  3744864.50,     5.31,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      0.69159 AT (  382979.09,  3744909.75,     5.18,     1.80)  DC      NA

 OVLP_25  1ST HIGHEST VALUE IS      0.55127 AT (  383014.72,  3744978.00,     5.95,     1.80)  DC      NA
          2ND HIGHEST VALUE IS      0.49143 AT (  383014.72,  3744955.25,     5.94,     1.80)  DC      NA
          3RD HIGHEST VALUE IS      0.43454 AT (  382979.09,  3744978.00,     6.08,     1.80)  DC      NA
          4TH HIGHEST VALUE IS      0.43404 AT (  383014.72,  3744932.50,     5.93,     1.80)  DC      NA
          5TH HIGHEST VALUE IS      0.39627 AT (  382979.09,  3744955.25,     5.79,     1.80)  DC      NA
          6TH HIGHEST VALUE IS      0.39503 AT (  383050.31,  3744887.00,     6.10,     1.80)  DC      NA
          7TH HIGHEST VALUE IS      0.38821 AT (  383014.72,  3744909.75,     5.46,     1.80)  DC      NA
          8TH HIGHEST VALUE IS      0.37354 AT (  382943.50,  3745000.75,    12.11,     1.80)  DC      NA
          9TH HIGHEST VALUE IS      0.36106 AT (  382979.09,  3744932.50,     5.75,     1.80)  DC      NA
         10TH HIGHEST VALUE IS      0.35763 AT (  383050.31,  3744864.50,     6.10,     1.80)  DC      NA

 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
                      BD = BOUNDARY
 *** ISCST3 - VERSION 02035 ***   *** C:\Carson\Construction ISC\Const.isc                           ***       11/08/06
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 **MODELOPTs:                                                                                    PAGE 210
 CONC               URBAN ELEV  FLGPOL                    NOCALM                                  HE>ZI
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Carson Ramp Improvements – Construction ISCST3 Output

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
CONST1NX HIGH 1ST HIGH VALUE IS	484.44220	ON 81011709:	AT (382871.31, 3745037.50, 13.72, 1.80)	DC NA
CONST2NX HIGH 1ST HIGH VALUE IS	1268.84131	ON 81011808:	AT (382979.09, 3744978.00, 6.08, 1.80)	DC NA
CONST3NX HIGH 1ST HIGH VALUE IS	414.26437	ON 81110308:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONST4NX HIGH 1ST HIGH VALUE IS	776.17297	ON 81103008:	AT (383050.31, 3744864.50, 6.10, 1.80)	DC NA
CONST1PM HIGH 1ST HIGH VALUE IS	82.09111	ON 81011709:	AT (382871.31, 3745037.50, 13.72, 1.80)	DC NA
CONST2PM HIGH 1ST HIGH VALUE IS	273.54996	ON 81011808:	AT (382979.09, 3744978.00, 6.08, 1.80)	DC NA
CONST3PM HIGH 1ST HIGH VALUE IS	74.42052	ON 81031008:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONST4PM HIGH 1ST HIGH VALUE IS	274.92441	ON 81103008:	AT (383050.31, 3744864.50, 6.10, 1.80)	DC NA
OVLP-NOX HIGH 1ST HIGH VALUE IS	1001.28363	ON 81103008:	AT (383050.31, 3744864.50, 6.10, 1.80)	DC NA
OVLP-PM HIGH 1ST HIGH VALUE IS	76.95390	ON 81031008:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONS1_25 HIGH 1ST HIGH VALUE IS	19.67289	ON 81011709:	AT (382871.31, 3745037.50, 13.72, 1.80)	DC NA
CONS2_25 HIGH 1ST HIGH VALUE IS	73.41921	ON 81011808:	AT (382979.09, 3744978.00, 6.08, 1.80)	DC NA
CONS3_25 HIGH 1ST HIGH VALUE IS	20.76666	ON 81031008:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONS4_25 HIGH 1ST HIGH VALUE IS	67.16350	ON 81103008:	AT (383050.31, 3744864.50, 6.10, 1.80)	DC NA
OVLP_25 HIGH 1ST HIGH VALUE IS	22.34896	ON 81031008:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
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**MODELOPTs: PAGE 211
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM/NOX IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE GRID-ID
CONST1NX HIGH 1ST HIGH VALUE IS	50.35648	ON 81122624:	AT (382835.72, 3745037.50, 12.34, 1.80)	DC NA
CONST2NX HIGH 1ST HIGH VALUE IS	114.27129	ON 81011124:	AT (382943.50, 3744978.00, 12.20, 1.80)	DC NA
CONST3NX HIGH 1ST HIGH VALUE IS	46.82436	ON 81122624:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONST4NX HIGH 1ST HIGH VALUE IS	73.59537	ON 81122624:	AT (383014.72, 3744887.00, 4.70, 1.80)	DC NA
CONST1PM HIGH 1ST HIGH VALUE IS	8.42380	ON 81122624:	AT (382835.72, 3745037.50, 12.34, 1.80)	DC NA
CONST2PM HIGH 1ST HIGH VALUE IS	24.50300	ON 81122624:	AT (382943.50, 3744978.00, 12.20, 1.80)	DC NA
CONST3PM HIGH 1ST HIGH VALUE IS	8.36127	ON 81122624:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONST4PM HIGH 1ST HIGH VALUE IS	25.72172	ON 81122624:	AT (383014.72, 3744887.00, 4.70, 1.80)	DC NA
OVLP-NOX HIGH 1ST HIGH VALUE IS	96.27302	ON 81122624:	AT (383014.72, 3744887.00, 4.70, 1.80)	DC NA
OVLP-PM HIGH 1ST HIGH VALUE IS	8.67741	ON 81122624:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONS1_25 HIGH 1ST HIGH VALUE IS	2.02198	ON 81122624:	AT (382835.72, 3745037.50, 12.34, 1.80)	DC NA
CONS2_25 HIGH 1ST HIGH VALUE IS	6.57703	ON 81122624:	AT (382943.50, 3744978.00, 12.20, 1.80)	DC NA
CONS3_25 HIGH 1ST HIGH VALUE IS	2.33666	ON 81122624:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA
CONS4_25 HIGH 1ST HIGH VALUE IS	6.29564	ON 81122624:	AT (383014.72, 3744887.00, 4.70, 1.80)	DC NA
OVLP_25 HIGH 1ST HIGH VALUE IS	2.53456	ON 81122624:	AT (383014.72, 3744978.00, 5.95, 1.80)	DC NA

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** ISCST3 - VERSION 02035 *** *** C:\Carson\Construction ISC\Const.isc *** 11/08/06
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**MODELOPTs: PAGE 212
CONC URBAN ELEV FLGPOL NOCALM HE>ZI

*** Message Summary : ISCST3 Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 1531 Informational Message(s)

A Total of 1531 Calm Hours Identified

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
OU W565 2303 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565 2304 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565 2305 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565 2306 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565 2307 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
OU W565 2308 OUPLOT:Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

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*** ISCST3 Finishes Successfully ***
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APPENDIX A-2

SCAQMD Rule 403 (Fugitive Dust) Control Requirements

Appendix A–2

- SCAQMD Rule 403 (Fugitive Dust) Control Requirements

(Adopted May 7, 1976) (Amended November 6, 1992)
(Amended July 9, 1993) (Amended February 14, 1997)
(Amended December 11, 1998)(Amended April 2, 2004)
(Amended June 3, 2005)

RULE 403. FUGITIVE DUST

(a) Purpose

The purpose of this Rule is to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (man-made) fugitive dust sources by requiring actions to prevent, reduce or mitigate fugitive dust emissions.

(b) Applicability

The provisions of this Rule shall apply to any activity or man-made condition capable of generating fugitive dust.

(c) Definitions

(1) ACTIVE OPERATIONS means any source capable of generating fugitive dust, including, but not limited to, earth-moving activities, construction/demolition activities, disturbed surface area, or heavy- and light-duty vehicular movement.

(2) AGGREGATE-RELATED PLANTS are defined as facilities that produce and / or mix sand and gravel and crushed stone.

(3) AGRICULTURAL HANDBOOK means the region-specific guidance document that has been approved by the Governing Board or hereafter approved by the Executive Officer and the U.S. EPA. For the South Coast Air Basin, the Board-approved region-specific guidance document is the Rule 403 Agricultural Handbook dated December 1998. For the Coachella Valley, the Board-approved region-specific guidance document is the Rule 403 Coachella Valley Agricultural Handbook dated April 2, 2004.

(4) ANEMOMETERS are devices used to measure wind speed and direction in accordance with the performance standards, and maintenance and calibration criteria as contained in the most recent Rule 403 Implementation Handbook.

(5) BEST AVAILABLE CONTROL MEASURES means fugitive dust control actions that are set forth in Table 1 of this Rule.

(6) BULK MATERIAL is sand, gravel, soil, aggregate material less than two inches in length or diameter, and other organic or inorganic particulate matter.

(7) CEMENT MANUFACTURING FACILITY is any facility that has a cement kiln at the facility.

(8) CHEMICAL STABILIZERS are any non-toxic chemical dust suppressant which must not be used if prohibited for use by the Regional Water Quality Control Boards, the California Air Resources Board, the U.S. Environmental Protection Agency (U.S. EPA), or any applicable law, rule or regulation. The chemical stabilizers shall meet any specifications, criteria, or tests required by any federal, state, or local water agency. Unless otherwise indicated, the use of a non-toxic chemical stabilizer shall be of sufficient concentration and application frequency to maintain a stabilized surface.

(9) COMMERCIAL POULTRY RANCH means any building, structure, enclosure, or premises where more than 100 fowl are kept or maintained for the primary purpose of producing eggs or meat for sale or other distribution.

(10) CONFINED ANIMAL FACILITY means a source or group of sources of air pollution at an agricultural source for the raising of 3,360 or more fowl or 50 or more animals, including but not limited to, any structure, building, installation, farm, corral, coop, feed storage area, milking parlor, or system for the collection, storage, or distribution of solid and liquid manure; if domesticated animals, including horses, sheep, goats, swine, beef cattle, rabbits, chickens, turkeys, or ducks are corralled, penned, or otherwise caused to remain in restricted areas for commercial agricultural purposes and feeding is by means other than grazing.

(11) CONSTRUCTION/DEMOLITION ACTIVITIES means any on-site mechanical activities conducted in preparation of, or related to, the building, alteration, rehabilitation, demolition or improvement of property, including, but not limited to the following activities: grading, excavation, loading, crushing, cutting, planing, shaping or ground breaking.

(12) CONTRACTOR means any person who has a contractual arrangement to conduct an active operation for another person.

(13) DAIRY FARM is an operation on a property, or set of properties that are contiguous or separated only by a public right-of-way, that raises cows or

produces milk from cows for the purpose of making a profit or for a livelihood. Heifer and calf farms are dairy farms.

(14) DISTURBED SURFACE AREA means a portion of the earth's surface which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed natural soil condition, thereby increasing the potential for emission of fugitive dust. This definition excludes those areas which have:

(A) been restored to a natural state, such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby natural conditions;

(B) been paved or otherwise covered by a permanent structure; or

(C) sustained a vegetative ground cover of at least 70 percent of the native cover for a particular area for at least 30 days.

(15) DUST SUPPRESSANTS are water, hygroscopic materials, or non-toxic chemical stabilizers used as a treatment material to reduce fugitive dust emissions.

(16) EARTH-MOVING ACTIVITIES means the use of any equipment for any activity where soil is being moved or uncovered, and shall include, but not be limited to the following: grading, earth cutting and filling operations, loading or unloading of dirt or bulk materials, adding to or removing from open storage piles of bulk materials, landfill operations, weed abatement through disking, and soil mulching.

(17) DUST CONTROL SUPERVISOR means a person with the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule 403 requirements at an active operation.

(18) FUGITIVE DUST means any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.

(19) HIGH WIND CONDITIONS means that instantaneous wind speeds exceed 25 miles per hour.

(20) INACTIVE DISTURBED SURFACE AREA means any disturbed surface area upon which active operations have not occurred or are not expected to occur for a period of 20 consecutive days.

(21) LARGE OPERATIONS means any active operations on property which contains 50 or more acres of disturbed surface area; or any earth-moving operation with a daily earth-moving or throughput volume of 3,850 cubic

meters (5,000 cubic yards) or more three times during the most recent 365-day period.

(22) OPEN STORAGE PILE is any accumulation of bulk material, which is not fully enclosed, covered or chemically stabilized, and which attains a height of three feet or more and a total surface area of 150 or more square feet.

(23) PARTICULATE MATTER means any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions.

(24) PAVED ROAD means a public or private improved street, highway, alley, public way, or easement that is covered by typical roadway materials, but excluding access roadways that connect a facility with a public paved roadway and are not open to through traffic. Public paved roads are those open to public access and that are owned by any federal, state, county, municipal or any other governmental or quasi-governmental agencies. Private paved roads are any paved roads not defined as public.

(25) PM_{10} means particulate matter with an aerodynamic diameter smaller than or equal to 10 microns as measured by the applicable State and Federal reference test methods.

(26) PROPERTY LINE means the boundaries of an area in which either a person causing the emission or a person allowing the emission has the legal use or possession of the property. Where such property is divided into one or more sub-tenancies, the property line(s) shall refer to the boundaries dividing the areas of all sub-tenancies.

(27) RULE 403 IMPLEMENTATION HANDBOOK means a guidance document that has been approved by the Governing Board on April 2, 2004 or hereafter approved by the Executive Officer and the U.S. EPA.

(28) SERVICE ROADS are paved or unpaved roads that are used by one or more public agencies for inspection or maintenance of infrastructure and which are not typically used for construction-related activity.

(29) SIMULTANEOUS SAMPLING means the operation of two PM_{10} samplers in such a manner that one sampler is started within five minutes of the other, and each sampler is operated for a consecutive period which must be not less than 290 minutes and not more than 310 minutes.

(30) SOUTH COAST AIR BASIN means the non-desert portions of Los Angeles, Riverside, and San Bernardino counties and all of Orange

County as defined in California Code of Regulations, Title 17, Section 60104. The area is bounded on the west by the Pacific Ocean, on the north and east by the San Gabriel, San Bernardino, and San Jacinto Mountains, and on the south by the San Diego county line.

(31) STABILIZED SURFACE means any previously disturbed surface area or open storage pile which, through the application of dust suppressants, shows visual or other evidence of surface crusting and is resistant to wind-driven fugitive dust and is demonstrated to be stabilized. Stabilization can be demonstrated by one or more of the applicable test methods contained in the Rule 403 Implementation Handbook.

(32) TRACK-OUT means any bulk material that adheres to and agglomerates on the exterior surface of motor vehicles, haul trucks, and equipment (including tires) that have been released onto a paved road and can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(33) TYPICAL ROADWAY MATERIALS means concrete, asphaltic concrete, recycled asphalt, asphalt, or any other material of equivalent performance as determined by the Executive Officer, and the U.S. EPA.

(34) UNPAVED ROADS means any unsealed or unpaved roads, equipment paths, or travel ways that are not covered by typical roadway materials. Public unpaved roads are any unpaved roadway owned by federal, state, county, municipal or other governmental or quasi-governmental agencies. Private unpaved roads are all other unpaved roadways not defined as public.

(35) VISIBLE ROADWAY DUST means any sand, soil, dirt, or other solid particulate matter which is visible upon paved road surfaces and which can be removed by a vacuum sweeper or a broom sweeper under normal operating conditions.

(36) WIND-DRIVEN FUGITIVE DUST means visible emissions from any disturbed surface area which is generated by wind action alone.

(37) WIND GUST is the maximum instantaneous wind speed as measured by an anemometer.

(d) Requirements

(1) No person shall cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area such that:

(A) the dust remains visible in the atmosphere beyond the property line of the emission source; or

(B) the dust emission exceeds 20 percent opacity (as determined by the appropriate test method included in the Rule 403 Implementation Handbook), if the dust emission is the result of movement of a motorized vehicle.

(2) No person shall conduct active operations without utilizing the applicable best available control measures included in Table 1 of this Rule to minimize fugitive dust emissions from each fugitive dust source type within the active operation.

(3) No person shall cause or allow PM_{10} levels to exceed 50 micrograms per cubic meter when determined, by simultaneous sampling, as the difference between upwind and downwind samples collected on high-volume particulate matter samplers or other U.S. EPA-approved equivalent method for PM_{10} monitoring. If sampling is conducted, samplers shall be:

(A) Operated, maintained, and calibrated in accordance with 40 Code of Federal Regulations (CFR), Part 50, Appendix J, or appropriate U.S. EPA-published documents for U.S. EPA-approved equivalent method(s) for PM_{10}.

(B) Reasonably placed upwind and downwind of key activity areas and as close to the property line as feasible, such that other sources of fugitive dust between the sampler and the property line are minimized.

(4) No person shall allow track-out to extend 25 feet or more in cumulative length from the point of origin from an active operation. Notwithstanding the preceding, all track-out from an active operation shall be removed at the conclusion of each workday or evening shift.

(5) No person shall conduct an active operation with a disturbed surface area of five or more acres, or with a daily import or export of 100 cubic yards or more of bulk material without utilizing at least one of the measures listed in subparagraphs (d)(5)(A) through (d)(5)(E) at each vehicle egress from the site to a paved public road.

(A) Install a pad consisting of washed gravel (minimum-size: one inch) maintained in a clean condition to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long.

(B) Pave the surface extending at least 100 feet and at least 20 feet wide.

(C) Utilize a wheel shaker/wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet wide to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(D) Install and utilize a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.

(E) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the actions specified in subparagraphs (d)(5)(A) through (d)(5)(D).

(6) Beginning January 1, 2006, any person who operates or authorizes the operation of a confined animal facility subject to this Rule shall implement the applicable conservation management practices specified in Table 4 of this Rule.

(e) Additional Requirements for Large Operations

(1) Any person who conducts or authorizes the conducting of a large operation subject to this Rule shall implement the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards can not be met through use of Table 2 actions; and shall:

(A) submit a fully executed Large Operation Notification (Form 403 N) to the Executive Officer within 7 days of qualifying as a large operation;

(B) include, as part of the notification, the name(s), address(es), and phone number(s) of the person(s) responsible for the submittal, and a description of the operation(s), including a map depicting the location of the site;

(C) maintain daily records to document the specific dust control actions taken, maintain such records for a period of not less than three years; and make such records available to the Executive Officer upon request;

(D) install and maintain project signage with project contact signage that meets the minimum standards of the Rule 403 Implementation Handbook, prior to initiating any earthmoving activities;

(E) identify a dust control supervisor that:

(i) is employed by or contracted with the property owner or developer;

(ii) is on the site or available on-site within 30 minutes during working hours;

(iii) has the authority to expeditiously employ sufficient dust mitigation measures to ensure compliance with all Rule requirements;

(iv) has completed the AQMD Fugitive Dust Control Class and has been issued a valid Certificate of Completion for the class; and

(F) notify the Executive Officer in writing within 30 days after the site no longer qualifies as a large operation as defined by paragraph (c)(18).

(2) Any Large Operation Notification submitted to the Executive Officer or AQMD-approved dust control plan shall be valid for a period of one year from the date of written acceptance by the Executive Officer. Any Large Operation Notification accepted pursuant to paragraph (e)(1), excluding those submitted by aggregate-related plants and cement manufacturing facilities must be resubmitted annually by the person who conducts or authorizes the conducting of a large operation, at least 30 days prior to the expiration date, or the submittal shall no longer be valid as of the expiration date. If all fugitive dust sources and corresponding control measures or special circumstances remain identical to those identified in the previously accepted submittal or in an AQMD-approved dust control plan, the resubmittal may be a simple statement of no-change (Form 403NC).

(f) Compliance Schedule

The newly amended provisions of this Rule shall become effective upon adoption. Pursuant to subdivision (e), any existing site that qualifies as a large operation will have 60 days from the date of Rule adoption to comply with the notification and recordkeeping requirements for large operations. Any Large Operation

Notification or AQMD-approved dust control plan which has been accepted prior to the date of adoption of these amendments shall remain in effect and the Large Operation Notification or AQMD-approved dust control plan annual resubmittal date shall be one year from adoption of this Rule amendment.

(g) Exemptions

(1) The provisions of this Rule shall not apply to:

(A) Dairy farms.

(B) Confined animal facilities provided that the combined disturbed surface area within one continuous property line is one acre or less.

(C) Agricultural vegetative crop operations provided that the combined disturbed surface area within one continuous property line and not separated by a paved public road is 10 acres or less.

(D) Agricultural vegetative crop operations within the South Coast Air Basin, whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Agricultural Handbook;

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(E) Agricultural vegetative crop operations outside the South Coast Air Basin whose combined disturbed surface area includes more than 10 acres provided that the person responsible for such operations:

(i) voluntarily implements the conservation management practices contained in the Rule 403 Coachella Valley Agricultural Handbook; and

(ii) completes and maintains the self-monitoring form documenting sufficient conservation management practices, as described in the Rule 403 Coachella Valley Agricultural Handbook; and

(iii) makes the completed self-monitoring form available to the Executive Officer upon request.

(F) Active operations conducted during emergency life-threatening situations, or in conjunction with any officially declared disaster or state of emergency.

(G) Active operations conducted by essential service utilities to provide electricity, natural gas, telephone, water and sewer during periods of service outages and emergency disruptions.

(H) Any contractor subsequent to the time the contract ends, provided that such contractor implemented the required control measures during the contractual period.

(I) Any grading contractor, for a phase of active operations, subsequent to the contractual completion of that phase of earth-moving activities, provided that the required control measures have been implemented during the entire phase of earth-moving activities, through and including five days after the final grading inspection.

(J) Weed abatement operations ordered by a county agricultural commissioner or any state, county, or municipal fire department, provided that:

(i) mowing, cutting or other similar process is used which maintains weed stubble at least three inches above the soil; and

(ii) any discing or similar operation which cuts into and disturbs the soil, where watering is used prior to initiation of these activities, and a determination is made by the agency issuing the weed abatement order that, due to fire hazard conditions, rocks, or other physical obstructions, it is not practical to meet the conditions specified in clause (g)(1)(H)(i). The provisions this clause shall not exempt the owner of any property from stabilizing, in accordance with paragraph (d)(2), disturbed surface areas which have been created as a result of the weed abatement actions.

(K) sandblasting operations.

(2) The provisions of paragraphs (d)(1) and (d)(3) shall not apply:

(A) When wind gusts exceed 25 miles per hour, provided that:

(i) The required Table 3 contingency measures in this Rule are implemented for each applicable fugitive dust source type, and;

(ii) records are maintained in accordance with subparagraph (e)(1)(C).

(B) To unpaved roads, provided such roads:

(i) are used solely for the maintenance of wind-generating equipment; or

(ii) are unpaved public alleys as defined in Rule 1186; or

(iii) are service roads that meet all of the following criteria:

(a) are less than 50 feet in width at all points along the road;

(b) are within 25 feet of the property line; and

(c) have a traffic volume less than 20 vehicle-trips per day.

(C) To any active operation, open storage pile, or disturbed surface area for which necessary fugitive dust preventive or mitigative actions are in conflict with the federal Endangered Species Act, as determined in writing by the State or federal agency responsible for making such determinations.

(3) The provisions of (d)(2) shall not apply to any aggregate-related plant or cement manufacturing facility that implements the applicable actions specified in Table 2 of this Rule at all times and shall implement the applicable actions specified in Table 3 of this Rule when the applicable performance standards of paragraphs (d)(1) and (d)(3) can not be met through use of Table 2 actions.

(4) The provisions of paragraphs (d)(1), (d)(2), and (d)(3) shall not apply to:

(A) Blasting operations which have been permitted by the California Division of Industrial Safety; and

(B) Motion picture, television, and video production activities when dust emissions are required for visual effects. In order to obtain this exemption, the Executive Officer must receive notification in writing at least 72 hours in advance of any such activity and no nuisance results from such activity.

(5) The provisions of paragraph (d)(3) shall not apply if the dust control actions, as specified in Table 2, are implemented on a routine basis for

each applicable fugitive dust source type. To qualify for this exemption, a person must maintain records in accordance with subparagraph (e)(1)(C).

(6) The provisions of paragraph (d)(4) shall not apply to earth coverings of public paved roadways where such coverings are approved by a local government agency for the protection of the roadway, and where such coverings are used as roadway crossings for haul vehicles provided that such roadway is closed to through traffic and visible roadway dust is removed within one day following the cessation of activities.

(7) The provisions of subdivision (e) shall not apply to:

(A) officially-designated public parks and recreational areas, including national parks, national monuments, national forests, state parks, state recreational areas, and county regional parks.

(B) any large operation which is required to submit a dust control plan to any city or county government which has adopted a District-approved dust control ordinance.

(C) any large operation subject to Rule 1158, which has an approved dust control plan pursuant to Rule 1158, provided that all sources of fugitive dust are included in the Rule 1158 plan.

(8) The provisions of subparagraph (e)(1)(A) through (e)(1)(C) shall not apply to any large operation with an AQMD-approved fugitive dust control plan provided that there is no change to the sources and controls as identified in the AQMD-approved fugitive dust control plan.

(h) Fees

Any person conducting active operations for which the Executive Officer conducts upwind/downwind monitoring for PM_{10} pursuant to paragraph (d)(3) shall be assessed applicable Ambient Air Analysis Fees pursuant to Rule 304.1. Applicable fees shall be waived for any facility which is exempted from paragraph (d)(3) or meets the requirements of paragraph (d)(3).

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Backfilling	01-1 Stabilize backfill material when not actively handling; and 01-2 Stabilize backfill material during handling; and 01-3 Stabilize soil at completion of activity.	✓ Mix backfill soil with water prior to moving ✓ Dedicate water truck or high capacity hose to backfilling equipment ✓ Empty loader bucket slowly so that no dust plumes are generated ✓ Minimize drop height from loader bucket
Clearing and grubbing	02-1 Maintain stability of soil through pre-watering of site prior to clearing and grubbing; and 02-2 Stabilize soil during clearing and grubbing activities; and 02-3 Stabilize soil immediately after clearing and grubbing activities.	✓ Maintain live perennial vegetation where possible ✓ Apply water in sufficient quantity to prevent generation of dust plumes
Clearing forms	03-1 Use water spray to clear forms; or 03-2 Use sweeping and water spray to clear forms; or 03-3 Use vacuum system to clear forms.	✓ Use of high pressure air to clear forms may cause exceedance of Rule requirements
Crushing	04-1 Stabilize surface soils prior to operation of support equipment; and 04-2 Stabilize material after crushing.	✓ Follow permit conditions for crushing equipment ✓ Pre-water material prior to loading into crusher ✓ Monitor crusher emissions opacity ✓ Apply water to crushed material to prevent dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Cut and fill	05-1 Pre-water soils prior to cut and fill activities; and 05-2 Stabilize soil during and after cut and fill activities.	✓ For large sites, pre-water with sprinklers or water trucks and allow time for penetration ✓ Use water trucks/pulls to water soils to depth of cut prior to subsequent cuts
Demolition – mechanical/manual	06-1 Stabilize wind erodible surfaces to reduce dust; and 06-2 Stabilize surface soil where support equipment and vehicles will operate; and 06-3 Stabilize loose soil and demolition debris; and 06-4 Comply with AQMD Rule 1403.	✓ Apply water in sufficient quantities to prevent the generation of visible dust plumes
Disturbed soil	07-1 Stabilize disturbed soil throughout the construction site; and 07-2 Stabilize disturbed soil between structures	✓ Limit vehicular traffic and disturbances on soils where possible ✓ If interior block walls are planned, install as early as possible ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes
Earth-moving activities	08-1 Pre-apply water to depth of proposed cuts; and 08-2 Re-apply water as necessary to maintain soils in a damp condition and to ensure that visible emissions do not exceed 100 feet in any direction; and 08-3 Stabilize soils once earth-moving activities are complete.	✓ Grade each project phase separately, timed to coincide with construction phase ✓ Upwind fencing can prevent material movement on site ✓ Apply water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Importing/exporting of bulk materials	09-1 Stabilize material while loading to reduce fugitive dust emissions; and 09-2 Maintain at least six inches of freeboard on haul vehicles; and 09-3 Stabilize material while transporting to reduce fugitive dust emissions; and 09-4 Stabilize material while unloading to reduce fugitive dust emissions; and 09-5 Comply with Vehicle Code Section 23114.	✓ Use tarps or other suitable enclosures on haul trucks ✓ Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage ✓ Comply with track-out prevention/mitigation requirements ✓ Provide water while loading and unloading to reduce visible dust plumes
Landscaping	10-1 Stabilize soils, materials, slopes	✓ Apply water to materials to stabilize ✓ Maintain materials in a crusted condition ✓ Maintain effective cover over materials ✓ Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes ✓ Hydroseed prior to rain season
Road shoulder maintenance	11-1 Apply water to unpaved shoulders prior to clearing; and 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.	✓ Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs ✓ Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Screening	12-1 Pre-water material prior to screening; and 12-2 Limit fugitive dust emissions to opacity and plume length standards; and 12-3 Stabilize material immediately after screening.	✓ Dedicate water truck or high capacity hose to screening operation ✓ Drop material through the screen slowly and minimize drop height ✓ Install wind barrier with a porosity of no more than 50% upwind of screen to the height of the drop point
Staging areas	13-1 Stabilize staging areas during use; and 13-2 Stabilize staging area soils at project completion.	✓ Limit size of staging area ✓ Limit vehicle speeds to 15 miles per hour ✓ Limit number and size of staging area entrances/exists
Stockpiles/ Bulk Material Handling	14-1 Stabilize stockpiled materials. 14-2 Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	✓ Add or remove material from the downwind portion of the storage pile ✓ Maintain storage piles to avoid steep sides or faces

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Traffic areas for construction activities	15-1 Stabilize all off-road traffic and parking areas; and 15-2 Stabilize all haul routes; and 15-3 Direct construction traffic over established haul routes.	✓ Apply gravel/paving to all haul routes as soon as possible to all future roadway areas ✓ Barriers can be used to ensure vehicles are only used on established parking areas/haul routes
Trenching	16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and 16-2 Stabilize soils at the completion of trenching activities.	✓ Pre-watering of soils prior to trenching is an effective preventive measure. For deep trenching activities, pre-trench to 18 inches soak soils via the pre-trench and resuming trenching ✓ Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment
Truck loading	17-1 Pre-water material prior to loading; and 17-2 Ensure that freeboard exceeds six inches (CVC 23114)	✓ Empty loader bucket such that no visible dust plumes are created ✓ Ensure that the loader bucket is close to the truck to minimize drop height while loading
Turf Overseeding	18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and 18-2 Cover haul vehicles prior to exiting the site.	✓ Haul waste material immediately off-site

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure		Guidance
Unpaved roads/parking lots	19-1	Stabilize soils to meet the applicable performance standards; and	✓ Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements
	19-2	Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	
Vacant land	20-1	In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access by installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures.	

Table 2
DUST CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY		CONTROL ACTIONS
Earth-moving (except construction cutting and filling areas, and mining operations)	(1a)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; OR
	(1a-1)	For any earth-moving which is more than 100 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 100 feet in length in any direction.
Earth-moving: Construction fill areas:	(1b)	Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four-hour period of active operations.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Earth-moving: Construction cut areas and mining operations:	(1c)	Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.
Disturbed surface areas (except completed grading areas)	(2a/b)	Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	(2c)	Apply chemical stabilizers within five working days of grading completion; OR
	(2d)	Take actions (3a) or (3c) specified for inactive disturbed surface areas.
Inactive disturbed surface areas	(3a)	Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR
	(3b)	Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR
	(3c)	Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; OR
	(3d)	Utilize any combination of control actions (3a), (3b), and (3c) such that, in total, these actions apply to all inactive disturbed surface areas.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Unpaved Roads	(4a)	Water all roads used for any vehicular traffic at least once per every two hours of active operations [3 times per normal 8 hour work day]; OR
	(4b)	Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; OR
	(4c)	Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.
Open storage piles	(5a)	Apply chemical stabilizers; OR
	(5b)	Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; OR
	(5c)	Install temporary coverings; OR
	(5d)	Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.
All Categories	(6a)	Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 2 may be used.

TABLE 3
CONTINGENCY CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY	CONTROL MEASURES
Earth-moving	(1A) Cease all active operations; OR (2A) Apply water to soil not more than 15 minutes prior to moving such soil.
Disturbed surface areas	(0B) On the last day of active operations prior to a weekend, holiday, or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; OR (1B) Apply chemical stabilizers prior to wind event; OR (2B) Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; OR (3B) Take the actions specified in Table 2, Item (3c); OR (4B) Utilize any combination of control actions (1B), (2B), and (3B) such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	(1C) Apply chemical stabilizers prior to wind event; OR (2C) Apply water twice per hour during active operation; OR (3C) Stop all vehicular traffic.
Open storage piles	(1D) Apply water twice per hour; OR (2D) Install temporary coverings.
Paved road track-out	(1E) Cover all haul vehicles; OR (2E) Comply with the vehicle freeboard requirements of Section 23114 of the California Vehicle Code for both public and private roads.
All Categories	(1F) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 3 may be used.

Table 4
(Conservation Management Practices for Confined Animal Facilities)

SOURCE CATEGORY	CONSERVATION MANAGEMENT PRACTICES
Manure Handling **(Only applicable to Commercial Poultry Ranches)**	(1a) Cover manure prior to removing material off-site; AND (1b) Spread the manure before 11:00 AM and when wind conditions are less than 25 miles per hour; AND (1c) Utilize coning and drying manure management by removing manure at laying hen houses at least twice per year and maintain a base of no less than 6 inches of dry manure after clean out; or in lieu of complying with conservation management practice (1c), comply with conservation management practice (1d). (1d) Utilize frequent manure removal by removing the manure from laying hen houses at least every seven days and immediately thin bed dry the material.
Feedstock Handling	(2a) Utilize a sock or boot on the feed truck auger when filling feed storage bins.
Disturbed Surfaces	(3a) Maintain at least 70 percent vegetative cover on vacant portions of the facility; OR (3b) Utilize conservation tillage practices to manage the amount, orientation and distribution of crop and other plant residues on the soil surface year-round, while growing crops (if applicable) in narrow slots or tilled strips; OR (3c) Apply dust suppressants in sufficient concentrations and frequencies to maintain a stabilized surface.
Unpaved Roads	(4a) Restrict access to private unpaved roads either through signage or physical access restrictions and control vehicular speeds to no more than 15 miles per hour through worker notifications, signage, or any other necessary means; OR (4b) Cover frequently traveled unpaved roads with low silt content material (i.e., asphalt, concrete, recycled road base, or gravel to a minimum depth of four inches); OR (4c) Treat unpaved roads with water, mulch, chemical dust suppressants or other cover to maintain a stabilized surface.
Equipment Parking Areas	(5a) Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR (5b) Apply material with low silt content (i.e., asphalt, concrete, recycled road base, or gravel to a depth of four inches).

APPENDIX A-3

Conformity Determination

Appendix A–3

- Conformity Determination
    - Figure 1: Determination
    - Figure 2: Determination

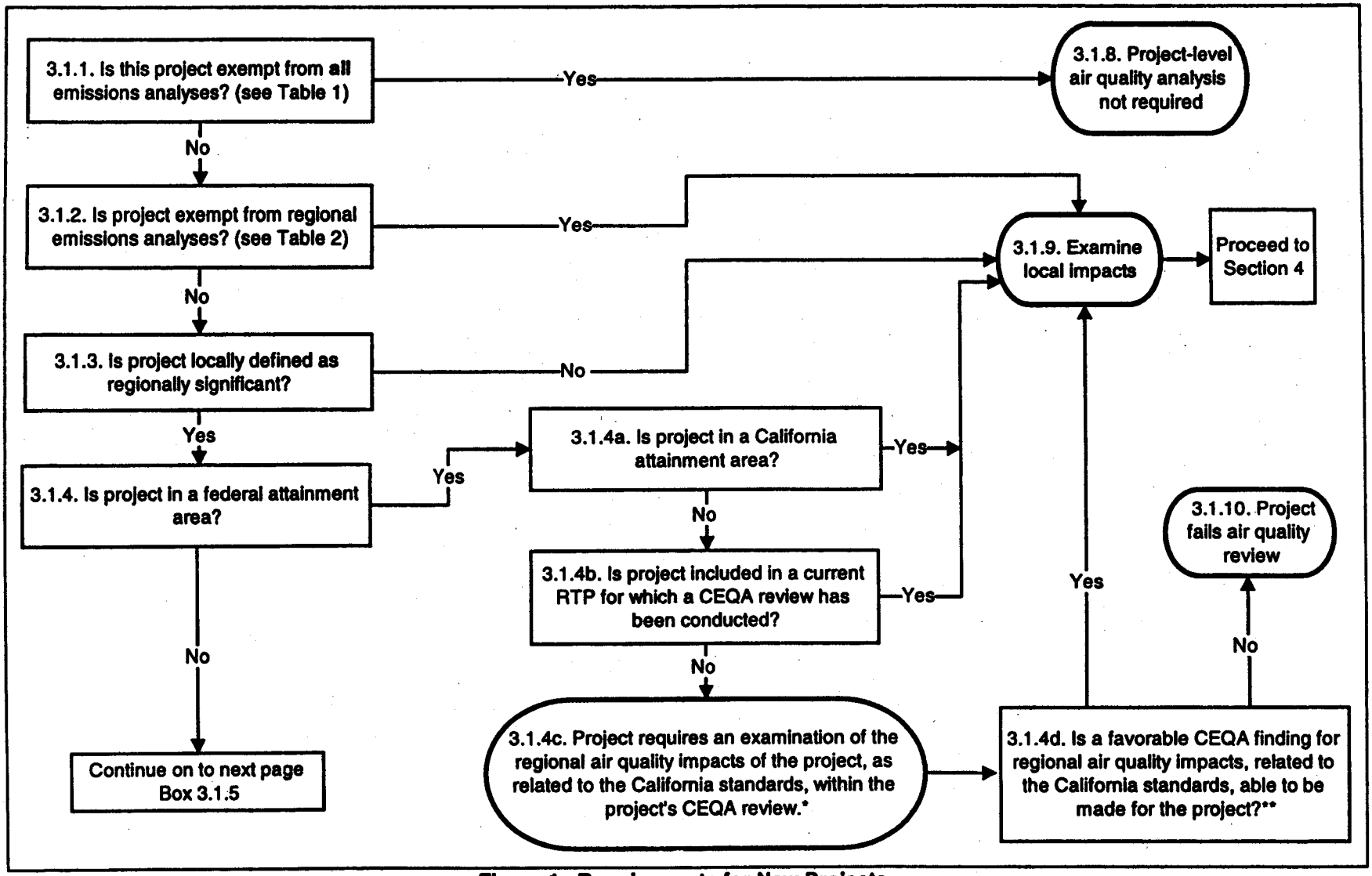


Figure 1. Requirements for New Projects

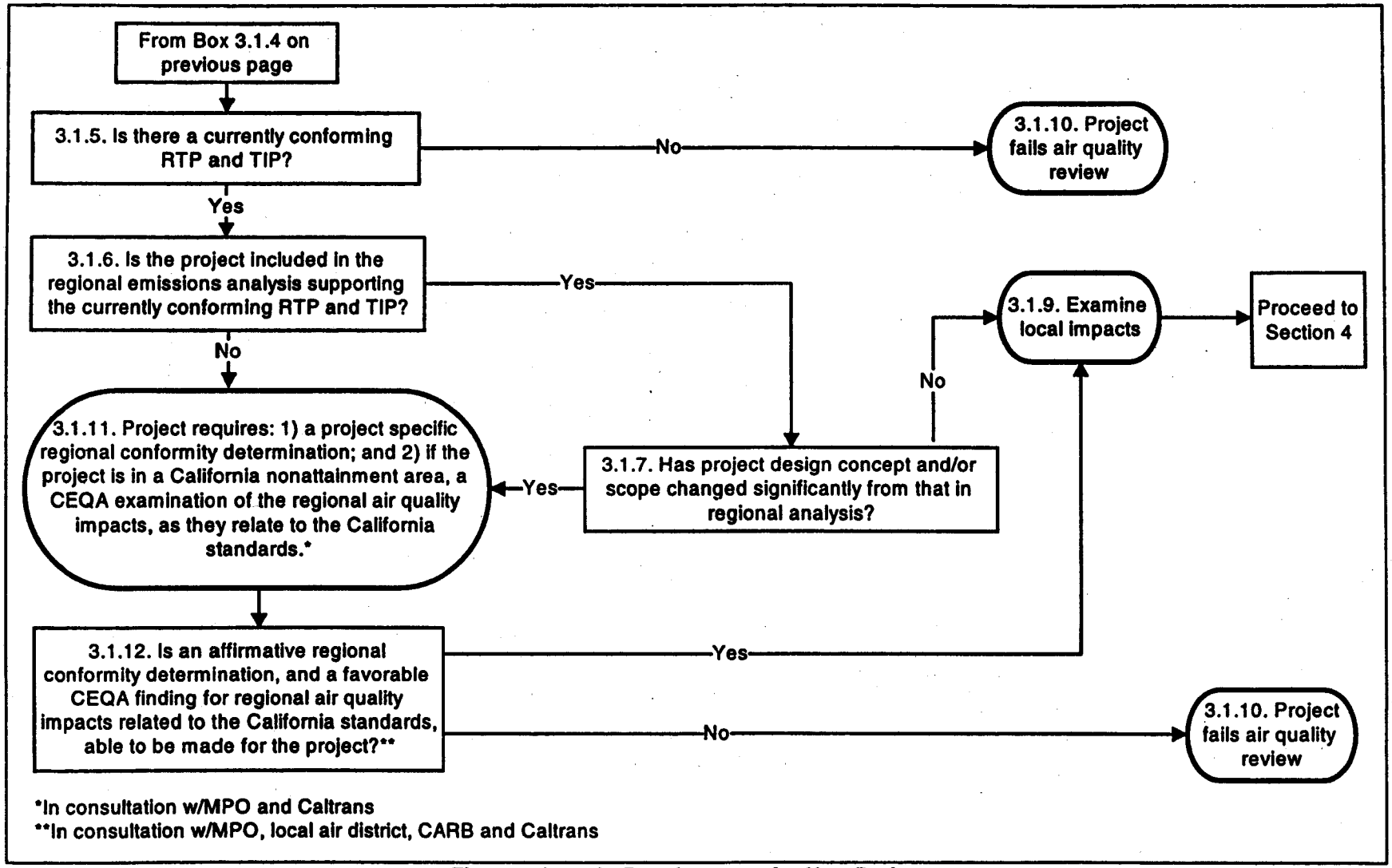


Figure 1 (cont.). Requirements for New Projects

Conformity Determination – Caltrans CO Protocol (Figure 1)

In order to evaluate conformity requirements for new projects, the Caltrans CO Protocol has provided a flow chart used for evaluating new projects as shown above. A summary of the flow chart decisions made for the project are shown below:

3.1.1. Is the project exempt from all emissions analyses? → **NO**

The project involves construction of additional roadways as well as improvement to existing roadways. As specified in Table 1of the CO Protocol, this project would not be exempt under 40 CFR Part 93, Table 2.

3.1.2. Is the project exempt from regional emissions analyses? → **NO**

This project requires construction of additional roadways and as specified in Table 2 of the CO protocol, this project would not be exempt under 40 CFR Part 93, Table 3.

3.1.3. Is project locally defined as regionally significant? → **YES**

This project would be regionally significant since this project is on a state highway and non-exempt projects included in the RTP and RTIP typically fall within the definition of "Regionally Significant" projects as identified in the 40 CFR 93.101.

3.1.4. Is project in a federal attainment area? → **NO**

Although the purpose of the CO protocol focuses on analysis of CO, subsection 3.1.4 of the CO protocol determines whether the project is classified as attainment of all transportation-related criteria pollutants. This project is located within the South Coast Air Basin which is in federal non-attainment for 8-hour Ozone, CO, PM_{10} and $PM_{2.5}$. Revisions to the SCAQMD 2003 AQMP were recently approved with an effective date of June 11, 2007, at which time the Basin will be re-designated to attainment for CO.

3.1.5. Is there a currently conforming RTP and TIP? → **YES**

3.1.6. Is the project included in the regional emissions analysis supporting the currently conforming RTP and TIP? → **YES**

The proposed ramp improvements are included in the current 2006 RTIP, as project identifier LAE2198.

3.1.7. Has project design concept and/or scope changed significantly from that in regional analysis? → **NO**

3.1.9. Examine local impacts.

Local impacts are addressed below, per Figure 3 of the Protocol.

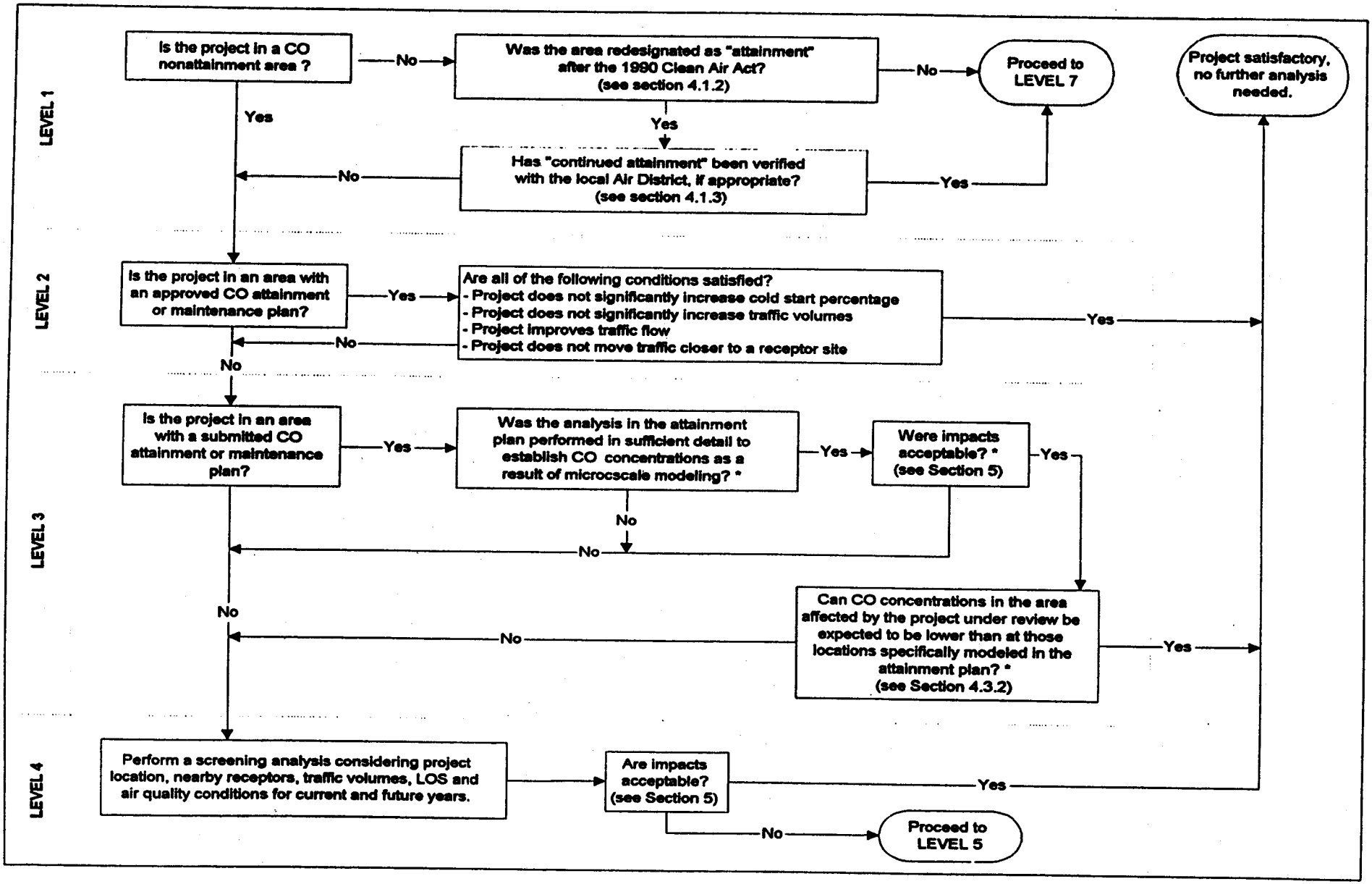


Figure 3. Local CO Analysis

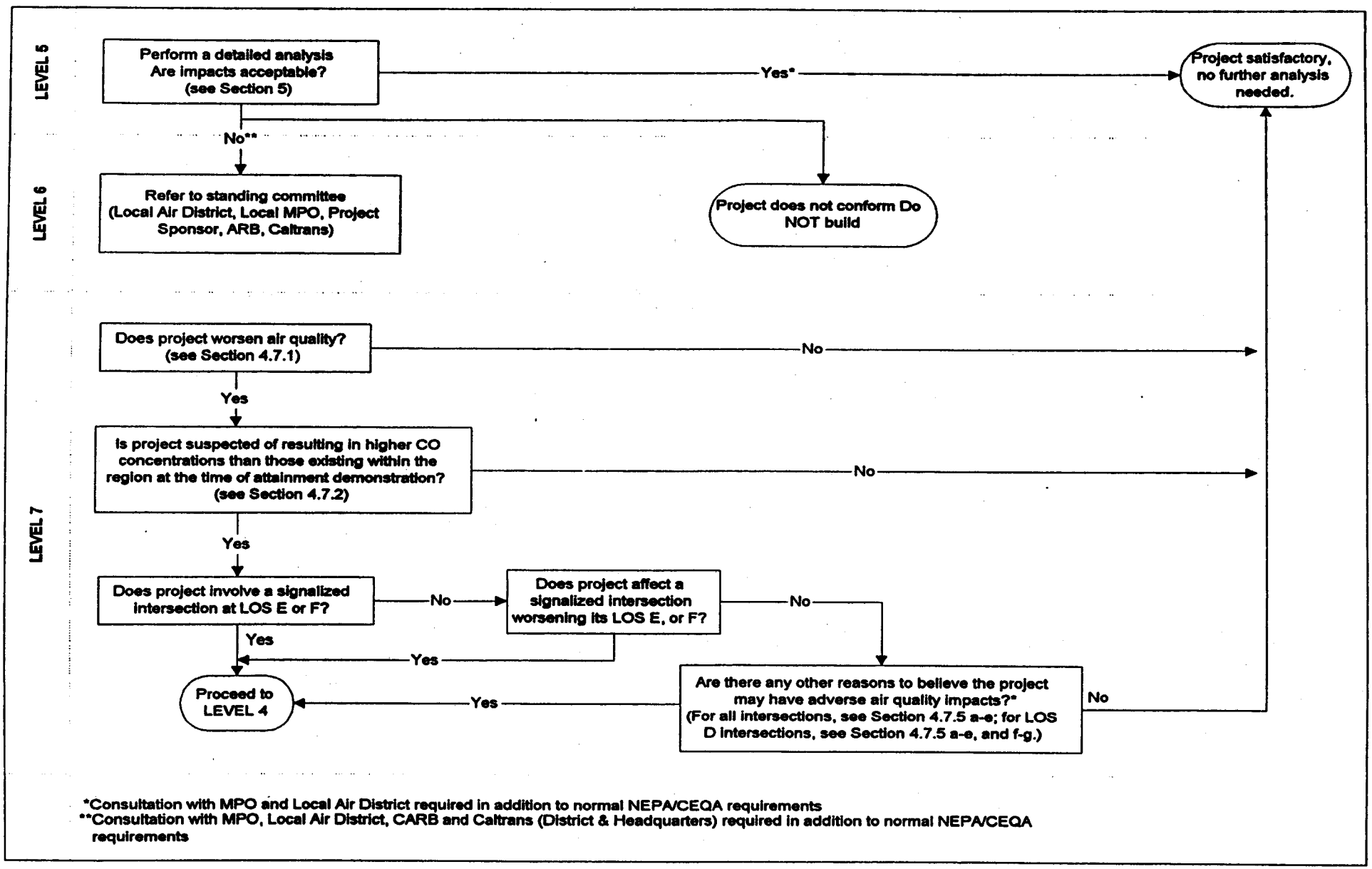


Figure 3 (cont.). Local CO Analysis

Localized CO Analysis – Caltrans CO Protocol (Figure 3)

Once a project is determined to require a project-level CO impact analysis, the analysis should be carried out using the Local Analysis flow chart provided as Figure 3 of the Caltrans CO Protocol shown above. A summary of the flow chart decisions made for the project are shown below:

Level 1 – Is the project in a CO nonattainment area? → **NO**

The project is located within the South Coast Air Basin which is soon to be designated as attainment for CO. The Basin is also currently in state attainment for CO.

Level 1 – Was the area redesignated as "attainment" after the 1990 Clean Air Act? → **YES**

This project is located within the South Coast Air Basin. Revisions to the SCAQMD 2003 AQMP were recently approved with an effective date of June 11, 2007, at which time the Basin will be redesignated to attainment for CO. The last year CO exceeded the AAQS was in 2002.

Level 1 – Has "continued attainment" been verified with the local Air District, if appropriate? → **YES (Proceed to Level 7)**

As discussed above, revisions to the SCAQMD 2003 AQMP were recently approved with an effective date of June 11, 2007, at which time the Basin will be redesignated to attainment for CO. The 2003 revision to the AQMP Plan provides a dual purpose: it replaces the 1997 attainment demonstration that lapsed at the end of 2000, and provides the basis for a CO maintenance plan for the future. As part of the attainment demonstration, microscale modeling was performed at four intersections within the Basin that would represent the greatest potential to cause an exceedance of the CO standards. As presented in Table 4-9 on page V-4-25 of the SCAQMD's 2003 AQMP, the four intersections with the greatest potential for elevated CO concentrations would not result an exceedance of the CO standards. Thus, analysis in the attainment plan was performed in sufficient detail to demonstrate attainment of CO as a result of microscale modeling.

Level 7 – Does project worsen air quality? → **YES**

Guidance of Section 4.7.1 recommends the following criteria to be used to determine whether a project is likely to worsen air quality for the area substantially affected by the project.

a. Does the project significantly increase the percentage of vehicles operating in cold start mode? Increasing the number of vehicles operating in cold start mode by as little as two percent should be considered potentially significant?

The demand for access to the freeway remains unchanged with implementation of the proposed improvements. As such, the proposed improvements would not result in a change in the percentage of vehicles operating in cold start mode.

b. Does the project significantly increases traffic volumes? Increases in traffic volumes in excess of 5% should be considered potentially significant. Increasing the traffic volume by less than 5% may still be potentially significant if there is also a reduction in average speeds.

The traffic volume at the intersection of Avalon Boulevard and Lenardo Drive and I-405 Southbound On-ramp would increase in Year 2010 from 59,394 ADT to 69,903 ADT or an increase of 18 percent with implementation of the project. In addition, the project would include one new intersection (I-405 Southbound Ramp and Lenardo Drive).

c. Does the project worsens traffic flow? For uninterrupted roadway segments, a reduction in average speeds (within a range of 3 to 50 mph) should be regarded as worsening traffic flow. For intersection segments, a reduction in average speed or an increase in average delay should be considered as worsening traffic flow.

The proposed improvements would worsen the LOS at the intersection of Avalon Boulevard and Lenardo Drive and I-405 Southbound On-ramp; and the Avalon Boulevard and I-405 NB Ramps. At Avalon Boulevard and Lenardo Drive and I-405 Southbound ramp, the 2010 P.M. Peak LOS would decrease from LOS A to LOS C with implementation of the project and from LOS B to LOS C in Year 2030. At the Avalon Boulevard and northbound ramps, the 2010 P.M. Peak LOS for both the 2010 and 2030 Peak LOS would decrease from LOS B to LOS C.

Consistent with Section 4.7.1, the analysis of the above criteria necessitate the need to proceed to Section 4.7.2. It should be noted that the Protocol states "that it may be easier to "screen out" a project by proceeding directly to Section 4.7.2…".

Level 7 – Is project suspected of resulting in higher CO concentrations than those existing within the region at the time of attainment demonstration? → **NO (No further analysis necessary)**

a. Are the receptors at the location under study at the same distance or farther from the traveled roadway than the receptors at the location where attainment has been demonstrated?

   The intersections modeled within the AQMP were modeled with receptors at a distance of 3 meters. The receptors for this project are no closer than 3 meters.

b. Is the roadway geometry of the two locations is not significantly different. An example of a significant difference would be a larger number of lanes at the location under study compared to the location where attainment has been demonstrated?

The four intersections modeled in the AQMP are as follows: (1) Long Beach Boulevard and Imperial Highway; (2) Wilshire Boulevard and Veteran Avenue; (3) Highland Avenue and Sunset Boulevard; and (4) Century Boulevard and La Cienaga Boulevard. The intersections modeled in the AQMP all have more than 16 lanes for combined segments (east, west, north, and south). The proposed improvement at Avalon Boulevard and Lenardo Drive and I-405 Southbound On-ramp is comprised of 11 lanes which is significantly less than the number of lanes for intersections modeled in the AQMP. Therefore, the roadway geometry would not be significantly different.

c. Is the expected worst-case meteorology at the location under study the same or better than the worst-case meteorology at the location where attainment has been demonstrated? Relevant meteorological variables include: wind speed, wind direction, temperature and stability class.

The SCAQMD requires that worst-case meteorological conditions be used for local CO hotspot analyses. The AQMP used a wind speed of 0.5 meter per second; a wind direction in 10 degree increments over 360 degrees, a stability class of F, and a temperature of 60 ºF. These meteorological conditions are appropriate for urban areas within Southern California and are recommended by the SCAQMD for modeling CO concentrations. Thus, modeled worst-case meteorology at the location under study would be consistent with modeled worst-case meteorology where attainment has been demonstrated.

d. Are traffic lane volumes at the location under study the same or lower than those at the location where attainment has been demonstrated?

The most congested intersection in Los Angeles County (Wilshire Boulevard and Veteran Boulevard) was modeled in the AQMP with 100,000 vehicles per day. In comparison, the proposed improvements at Avalon Boulevard and Lenardo Drive and I-405 Southbound On-ramp would be approximately 73,393 vehicles per day in Year 2030. In addition, it should be noted that the level of service at the intersections modeled within the AQMP were LOS F. All intersections that would be modified by the project would operate at a level of C or better and with substantially fewer vehicles then modeled in the AQMP. Therefore, traffic lane volumes at the location under study are lower than those at the location where attainment has been demonstrated.

e. Are the percentages of vehicles operating in cold start mode at the location under study the same or lower than those at the location where attainment has been demonstrated?

The demand for access to the freeway remains unchanged with implementation of the proposed improvements. As such, the proposed improvements would not result in a change in the percentage of vehicles operating in cold start mode.

f. Is the percentage of Heavy Duty Gas Trucks at the location under study the same or lower than the percentage at the location where attainment has been demonstrated?

Based on the land uses within the project vicinity (primarily residential, commercial, retail, and office), there are no indications that the percentage of heavy-duty gas trucks would be any more than the percentage at the location where attainment has been demonstrated.

g. For projects involving intersections, is the average delay and queue length for each approach the same or smaller for the intersection under study compared to those found in the intersection where attainment has been demonstrated?

Average delay and queue length are factors for determining the LOS. Delay and queue length for intersections modeled in the AQMP are not readily available, However, the AQMP selected the four most congested roadways in the Basin for demonstrating attainment of CO and were all LOS F. All intersections that would be modified by the project would operate at a level of C or better. This would indicate that the average delay and queue length for the proposed improvements would also be expected to be the same or smaller than the intersections where attainment has been demonstrated.

h. Is the background concentration at the location under study the same or lower than the background concentration at the location where attainment has been demonstrated?

CO modeling conducted for the AQMP assumed the highest-recorded background CO concentrations in the Basin and occurred at the Lynwood monitoring station. Background concentrations at the Long Beach monitoring station would be more representative of the project site and have been consistently lower than the background concentration used for the attainment demonstration.

APPENDIX A-4

SCAG 2006 Project Listings

Appendix A-4

- SCAG 2006 Project Listings
    - Adopted 2006 RTIP

Southern California Association of Governments

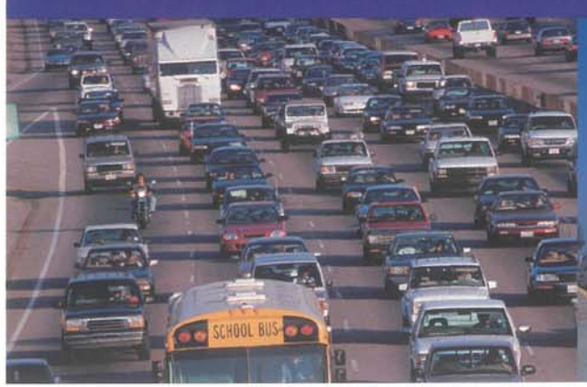
SCAG

Final

2006 Regional Transportation Improvement Program

Project Listing Volume III of III

FY 2006/07 – 2011/12 July 2006



Los Angeles County Local Highways

ADOPTED 2006 REGIONAL TRANSPORTATION PROGRAM (RTIP) LOCAL HIGHWAY PROJECTS

Los Angeles County

LEAD AGENCY	PROJECT ID	AIR BASIN	MODEL NO	PROG CODE	RTE	POST BEG	MI END	DESCRIPTION	FUND	YEAR	ENG	ROW	CONS	TOTAL	PRIOR	2006/07	2007/08	2008/09	2009/10-2011/12	PROJECT TOTAL	CONF CAT	ELMT
CARSON, CITY OF	LAE2198	SCAB	L407	CARH3	0	.0	.0	AVALON BLVD INTERCHANGE MODIFICATION AT I-405 IMPROVING AVALON/I-405 INTERCHANGE BY CONSTRUCTING A NEW SOUTHBOUND ON-RAMP, WIDENING NORTHBOUND OFF-RAMP AND ON-RAMP, PROVIDING ACCES	NH	PRIOR	769	0	0	769	769	80	301	10000	10000	21150	NON-EXEMPT	2
									AGENCY	06/07	80	0	0	80								
									AGENCY	07/08	301	0	0	301								
									AGENCY	08/09	0	0	5200	5200								
									DEMOSTL	08/09	0	0	4800	4800								
									AGENCY	09/10	0	0	10000	10000								
CARSON, CITY OF	LAE2932	SCAB		NCR27	0	.0	.0	213TH ST. PEDESTRIAN SIDEWALK BRIGE OVER DOMINGUEZ CHANNEL. CONSTRUCT 213TH ST. PEDESTRIAN BRIDGE TO PROVIDE SAFE PASSAGE FOR PEDESTRIANS & WHEELCHAIRS OVER DOMINGUEZ CHANNEL.	AGENCY	07/08	200	0	0	200	0	0	200	2000	0	2200	TCM	1
									AGENCY	08/09	0	0	1200	1200								
									DEMOSTL	08/09	0	0	800	800								
COMMERCE	LA0D478	SCAB		CAR63	0	.0	.0	RECONSTRUCT OF WASHINGTON BLVD FROM I- 5 FWY TO THE WEST; UPGRADE TRAFFIC SIGNALS AND IMPROVE THE EXISITING PAVEMENT	CITY	06/07	36	0	0	36	0	180	578	442	0	1200	EXEMPT	1
									DEMISTE	06/07	144	0	0	144								
									CITY	07/08	0	0	90	90								
									DEMISTE	07/08	0	0	488	488								
									CITY	08/09	0	0	54	54								
									DEMISTE	08/09	0	0	388	388								
COMMERCE	LAE3085	SCAB	L408	CAY63	0	.0	.0	WIDEN AND RECONSTRUCT WASHINGTON BLVD FROM WESTERLY CITY BOUNDARY AT VERNO TO I-5 FWY AT TELEGRAPH RD. WIDEN FROM 2 TO 3 LANES IN EACH DIRECTION.	CITY	06/07	288	0	0	288	0	1728	576	576	0	2880	NON-EXEMPT	1
									DEMOSTL	06/07	1440	0	0	1440								
									CITY	07/08	96	0	0	96								
									DEMOSTL	07/08	480	0	0	480								
									CITY	08/09	96	0	0	96								
									DEMOSTL	08/09	480	0	0	480								
COMPTON	LAE1321	SCAB		NCR91	0	.0	.0	COMPTON ARTERIAL RECONSTRUCTION AND IMPROVEMENT PROGRAM (NON-CAPACITY).	CITY	06/07	40	0	0	40	0	240	1200	1200	1200	3840	EXEMPT	3
									DEMOSTL	06/07	200	0	0	200								
									CITY	07/08	40	0	160	200								
									DEMOSTL	07/08	200	0	800	1000								
									CITY	08/09	0	0	200	200								
									DEMOSTL	08/09	0	0	1000	1000								
									CITY	09/10	0	0	200	200								
									DEMOSTL	09/10	0	0	1000	1000								
COMPTON	LAE2194	SCAB		NCR25	0	.0	.0	GREENLEAF ROW COMMUNITY ENHANCEMENT PROJECT DESIGN AND CONSTRUCTION OF BIKEWAY PED WALK WAY AND UPGRADE SIGNALIZATION	CITY	06/07	40	0	0	40	0	240	1200	1200	1200	3840	EXEMPT	3
									DEMOSTL	06/07	200	0	0	200								
									CITY	07/08	40	0	160	200								
									DEMOSTL	07/08	200	0	800	1000								
									CITY	08/09	0	0	200	200								
									DEMOSTL	08/09	0	0	1000	1000								
									CITY	09/10	0	0	200	200								
									DEMOSTL	09/10	0	0	1000	1000								
COMPTON	LAE2819	SCAB		NCR36	0	.0	.0	ROSECRANS AVE AND BRIDGE ARTERIAL RECONSTRUCTION PROJECT(NON-CAPACITY).	CITY	07/08	60	0	0	60	0	0	360	1200	2280	3840	EXEMPT	3
									DEMOSTL	07/08	300	0	0	300								
									CITY	08/09	60	0	140	200								
									DEMOSTL	08/09	300	0	700	1000								
									CITY	09/10	0	0	380	380								
									DEMOSTL	09/10	0	0	1900	1900								

APPENDIX A-5

Transportation Conformity Working Group

Appendix A-5

- Transportation Conformity Working Group Meeting Minutes (November 28, 2006)
- PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

TRANSPORTATION CONFORMITY WORKING GROUP
of the
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS'

November 28, 2006
Minutes

THE FOLLOWING MINUTES ARE A SUMMARY OF ACTIONS TAKEN BY THE TRANSPORTATION CONFORMITY WORKING GROUP. AN AUDIOCASSETTE TAPE OF THE ACTUAL MEETING IS AVAILABLE FOR LISTENING IN SCAG'S OFFICE.

The Transportation Conformity Working Group held its meeting at the SCAG office in Los Angeles.

In Attendance:

Naresh Amatya	SCAG
John Asuncion	SCAG
Jennifer Bergener	OCTA
Keith Cooper	Jones & Stokes
Sheryll Del Rosario	SCAG
Lori Huddleston	LA MTA
Jessica Kirchner	SCAG
Margery Lazarus	City of Moreno Valley
Ken Lobeck	RCTC
Betty Mann	SCAG
Maria Martin	City of L.A. PWD
Jonathan Nadler	SCAG
Sylvia Patsaouras	SCAG
Dan Phu	Parsons
Lisa Poe	SANBAG
Eyvonne Sells	AQMD
Arnie Sherwood	ITS Berkley/SCAG
Jay Shih	CRA/LA
Carla Walecka	Transportation Corridor Agencies

Via Teleconference:

Mike Brady	Caltrans Headquarters
Ben Cacatian	Ventura County APCD
Paul Fagan	Caltrans District 8
Tony Louka	Caltrans District 8
Jean Mazur	FHA
Dennis Wade	CARB
Andrew Yoon	Caltrans District 7

TRANSPORTATION CONFORMITY WORKING GROUP
of the
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS'

November 28, 2006
Minutes

1.0 CALL TO ORDER

The Honorable Jennifer Bergener, Chair, called the meeting to order at 10:07 a.m.

2.0 PUBLIC COMMENT PERIOD

There were no public comments.

3.0 CONSENT CALENDAR

3.1 Approval Item

5.1.1 Approve October 24, 2006 Meeting Minutes

MOTION was made to APPROVE the minutes. MOTION SECONDED and UNANIMOUSLY APPROVED.

4.0 INFORMATION ITEMS

4.1 RTIP Update

John Asuncion, SCAG, stated that the RTIP was approved by the Federal Agencies earlier in October. SCAG also received approval for the conformity determination for the RTIP, as well. The County Commissions are currently working on their amendment for the 2006 RTIP which will be forwarded to SCAG staff on December 3rd.

4.2 RTP Update

Naresh Amatya, SCAG, provided an update of the Administrative Modification. The purpose of the Administrative Modification is to identify and describe areas where the current RTP (and ancillary documents including the PEIR) either meets or exceeds the SAFETEA-LU requirements and areas where the current RTP is being supplemented to meet the requirements. The Administrative Modification intends to bring the 2004 RTP into compliance with the planning requirements of SAFETEA-LU, which was enacted subsequent to SCAG's adoption of the 2004 RTP. SAFETEA-LU extends the RTP update cycle from three to four

years for metropolitan planning areas that are designated as nonattainment or maintenance.

4.3 Review of PM Hot Spot Interagency Review Forms

The TCWG considered eight interagency review forms to determine whether the projects were of air quality concern and required a qualitative PM Hot Spot analysis. The review concluded the following:

ORA000195: PM 2.5 analysis not applicable for this project change
RIV000103: Not a POAQC – hot spot analysis not required
LA996415: Not a POAQC – hot spot analysis not required
LA996134: Not a POAQC – hot spot analysis not required
LAE2198: Not a POAQC – hot spot analysis not required
SBD20018: Not a POAQC – hot spot analysis not required
SBD44810: Not a POAQC – hot spot analysis not required
RIV011211: Not a POAQC – pending further discussion with FTA

4.4 Review of Qualitative PM Hot Spot Analysis

No review provided this month.

4.4 PM Hot Spot Process

TCWG members continued discussion on how to improve the PM hot spot interagency review process. This will be an on-going discussion item as needed.

4.6 TCM Update

Tony Louka, Caltrans, provided an update of the SR-60 HOV Lane Replacement Project. Caltrans is proposing to convert an existing full time HOV lane to a part time lane in both directions on an eight mile segment of the SR-60. Replacement of the full time SR-60 HOV lane TCM with the part time SR-60 HOV lane TCM must follow the substitution process specified in the CAA section 176(c) as amended by SAFETEA-LU. The TCWG recommended that the project be further discussed by the TCWG Subgroup prior to final determination.

4.7 AQMP Update

Joe Cassmassi, AQMD, provided a presentation on the Draft 2007 Air Quality Management Plan (AQMP) for the South Coast Air Basin, including a summary of baseline and future year emission inventories and the preliminary control strategy. The focus of the 2007 AQMP for the South Coast is on the PM 2.5 and the eight-hour ozone standards. The deadline for submitting the State Implementation Plan (SIP) plan for the eight-hour ozone standard to U.S. EPA is June of 2007. While the PM2.5 SIP is due to U.S. EPA in April 2008, the PM2.5 SIP is being prepared on the same time schedule as the ozone SIP, and will be included as part of the June 2007 submittal. The Draft AQMP was released for public review in October 2006. Currently, the AQMD is undergoing a series of public outreach efforts at various locations throughout the region.

5.0 CHAIR'S REPORT

No new items to report.

6.0 INFORMATION SHARING

Mike Brady, Caltrans Headquarters, announced that the Statewide Conformity Working Group Teleconference would be taking place on December 6 at the Metropolitan Transportation Commission in Oakland. There were also additional teleconference sites, including SCAG.

7.0 ADJOURNMENT

The Honorable Jennifer Bergener, adjourned the meeting at 12:00 p.m.

The next Transportation Conformity Working Group meeting will be held on Tuesday, January 30, 2007 at the SCAG office in downtown Los Angeles.

RTIP ID# *(required)* LAE2198

Project Description *(clearly describe project)*
Under the proposed Build Alternative, the I-405 and Avalon Blvd intersection would be reconfigured to provide access to and from the future Carson Marketplace project (Southwest of the intersection), extend Lenardo Dr. to Avalon Blvd, realign and reconfigure existing ramps at Avalon Blvd; and construct a new SN on-ramp (See attached figures).

The proposed project would:

- Extend Lenardo Drive to Avalon Blvd (including constructing a new bridge over Torrance Lateral storm channel);
- Realign and reconstruct the existing SB I-405 off-ramp to connect to the proposed Lenardo Dr. extension;
- Realign existing SB on-ramp next to terminus of the reconstructed SB I-405 off-ramp for access by HOVs only;
- Construct a new SB on-ramp east of Avalon Blvd for access by mixed flow from NB Avalon Blvd and EB Lenardo Dr.;
- Realign and widen the existing NB off-ramp from 1 lane to 3 lanes (at the its terminus only);
- Realign the existing NB on-ramp and signalize the existing right-turn lane from SB Avalon Blvd; and
- Modify the existing Avalon Blvd to accommodate additional turning movements anticipated by the proposed realignment, addition of ramps, and extension of Lenardo Dr.

Type of Project *(use Table 1 on instruction sheet)*

Reconfigure Existing Interchange

County	**Narrative Location/Route & Postmiles**
Los Angeles	LA-405 PM 10.8/11.4, at Avalon Blvd interchange, approximately 1.3 miles south of I-405/I-110 Interchange **Caltrans Projects – EA#** 23399

Lead Agency: Caltrans

Contact Person	**Phone#**	**Fax#**	**Email**
Andrew Yoon	213.897.6117	213.897.1634	Andrew.Yoon@dot.ca.gov

Hot Spot Pollutant of Concern *(check one or both)* **PM2.5 X** **PM10 X**

Federal Action for which Project-Level PM Conformity is Needed *(check appropriate box)*

X **Categorical Exclusion (NEPA)**	**EA or Draft EIS**	**FONSI or Final EIS**	**PS&E or Construction**	**Other**

Scheduled Date of Federal Action: September 6, 2007

Current Programming Dates *as appropriate*

	PE/Environmental	**ENG**	**ROW**	**CON**
Start	1/23/03	9/7/07	10/31/08	1/28/09
End	9/6/07	9/5/08	10/17/08	4/5/10

Project Purpose and Need (Summary): *(attach additional sheets as necessary)*

The need for the modification of the I-405/Avalon Boulevard interchange was first identified in the early 1990s as one of the conditions of approval for a then proposed development referred to as the Metro 2000 Project, a regional shopping mall to be constructed at the southwest quadrant of the interchange. The modification was proposed as the most effective way of mitigating impacts of that project.

The Metro 2000 Project did not move forward. However, continued interest in development of the former Metro 2000 Project site culminated with the approval of the Carson Marketplace Project in February 2006. The currently proposed Carson Marketplace Project is a 168-acre, mixed-use development with neighborhood commercial, regional commercial, recreation/entertainment, restaurant, hotel, and residential uses. The Carson Marketplace Project, like the Metro 2000 Project, requires the proposed improvements for the I-405/Avalon Boulevard interchange for its full implementation.

Without implementation of the Build Alternative, considerable reductions in the level of traffic services at numerous intersections in the project vicinity would occur, as indicated in the analysis of service levels at the 14 most impacted intersections in the project vicinity. Under the current conditions, none of the intersections is operating at level E or F during any peak hour. At the 2030 design year, service levels under the No Build Alternative would be at LOS E or F at four intersections with reduced service elsewhere in the system. Particularly affected would be the intersections of Main Street and Carson Street (with delays increasing from 42.5 seconds to 162.0 seconds in the P.M. peak hour), Main Street and Torrance Boulevard (with delays increasing from 26.6 seconds to 114.2 seconds in the P.M. peak hour) and Avalon Boulevard and Del Amo Boulevard (with delays increasing from 30.6 seconds in the P.M peak hour to 98.4 seconds in the P.M. peak hour.

The expected development of the Metro 2000/Carson Marketplace Project site, and the related improvements have been considered by the City in the preparation of their 2004 update to the City of Carson General Plan. The improvements were incorporated into traffic studies and in the selection of future land use designations. The proposed improvements would support development of the Carson Marketplace Project and would also meet the needs of otherwise growing traffic volumes in the project vicinity.

The project is proposed to accomplish the following purposes:

- Provide congestion relief from existing and future operating conditions at the intersection of I-405 and Avalon Boulevard.
- Link the Carson Marketplace Project site as well as other areas west of the I-405 with a direct route to the I-405 Freeway.
- Provide a balanced circulation system, reduce out of direction travel, reduce vehicle miles traveled, and provide traffic relief for other intersections in the vicinity.
- Support existing plans of the City of Carson and its economic development.
- Support continued development of parcels on the west side of the City of Carson, pursuant to City Plans and Policies, and market forces for development within the City.
- Support the City's effort to implement development in accord with adopted Redevelopment Plans

Surrounding Land Use/Traffic Generators *(especially effect on diesel traffic)*

The project site is situated in a built urban area, surrounded by an array of commercial uses, with residential and service uses lying in a larger perimeter. One large vacant parcel lies next to the project site. This site is intended for development of the Carson Marketplace, a 168-acre, mixed-use development with neighborhood commercial, regional commercial, commercial recreation/entertainment, restaurant, hotel, and residential uses.

Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

Year 2010:

The percentage of truck traffic was obtained from the California DOT's Traffic and Vehicle Data Systems Unit. As this project is not a traffic-generating project, it is assumed that the percentage of truck traffic will remain the same over time. The proposed Build Alternative involves improvements for the intersections and ramps that provide access to and from the I-405 freeway. The project does not propose enhancements to the main-line freeway that would increase the freeway capacity.

	No Build				Build			
	LOS[1]			Truck	LOS			Truck
Intersection Location	**AM**	**PM**	**AADT[2]**	**AADT**	**AM**	**PM**	**AADT**	**AADT**
Avalon Boulevard & I-405 NB Ramps								
- Intersection	A	B	68,255	1,638	B	D	70,814	1,700
- On Ramp	F	F	17,415	418	F	F	17,861	429
- Off Ramp	D	E	8,583	206	E	F	12,126	291
Avalon Boulevard & Lenardo Drive/I-405 SB Ramps								
- Intersection	B	A	67,034	1,609	B	B	59,409	1,426
- On Ramp (New Ramp – E of Avalon)	n/a	n/a	n/a	n/a	C	F	3,845	92
- On Ramp* (Existing Ramp)	C	F	8,596	206	n/a	n/a	n/a	n/a
- Off Ramp**	E	F	18,898	454	n/a	n/a	n/a	n/a
I-405 SB Ramps & Lenardo Drive								
- Intersection	n/a	n/a	n/a	n/a	B	B	25,302	607
- On Ramp*	n/a	n/a	n/a	n/a	C	F	8,727	209
- Off Ramp**	n/a	n/a	n/a	n/a	E	F	19,173	460

[1] LOS for ramps reflect the ramp-freeway junctions area of influence.

[2] AADT is based on the conversion of P.M. peak hour trips. Existing studies indicate that 7.62% of the trips in the vicinity occur during the P.M. peak hour.

* The two ramps with the * mark reflect the same ramp connection at the freeway. Under the No Build Alternative, they originate at Avalon Boulevard. Under the Build Alternative, they originate at Lenardo Drive.

** The two ramps with the ** mark reflect the same ramp connection at the freeway. Under the No Build Alternative, they outlet at Avalon Boulevard. Under the Build Alternative, they outlet at Lenardo Drive.

RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

Year 2030:

The percentage of truck traffic was obtained from the California DOT's Traffic and Vehicle Data Systems Unit. As this project is not a traffic generating project, it is assumed that the percentage of truck traffic will remain the same over time. The proposed Build Alternative involves improvements for the intersections and ramps that provide access to and from the I-405 freeway. The project does not propose enhancements to the main-line freeway that would increase the freeway capacity.

	No Build				Build			
	LOS[1]			Truck	LOS			Truck
Intersection Location	**AM**	**PM**	**AADT[2]**	**AADT**	**AM**	**PM**	**AADT**	**AADT**
Avalon Boulevard & I-405 NB Ramps								
- Intersection	A	B	75,066	1,802	B	D	72,572	1,742
- On Ramp	F	F	17,415	418	F	F	18,819	452
- Off Ramp	E	E	8,583	206	E	F	12,520	300
Avalon Boulevard & Lenardo Drive/I-405 SB Ramps								
- Intersection	B	B	63,176	1,516	B	B	70,525	1,693
- On Ramp (New Ramp – E of Avalon)	n/a	n/a	n/a	n/a	C	F	3,845	92
- On Ramp* (Existing Ramp)	C	F	8,596	206	n/a	n/a	n/a	n/a
- Off Ramp**	F	F	18,898	454	n/a	n/a	n/a	n/a
I-405 SB Ramps & Lenardo Drive								
- Intersection	n/a	n/a	n/a	n/a	B	B	43,714	1,049
- On Ramp*	n/a	n/a	n/a	n/a	C	F	10,223	245
- Off Ramp**	n/a	n/a	n/a	n/a	F	F	20,315	488

[1] LOS for ramps reflect the ramp-freeway junctions area of influence.

[2] AADT is based on the conversion of P.M. peak hour trips. Existing studies indicate that 7.62% of the trips in the vicinity occur during the P.M. peak hour.

* The two ramps with the * mark reflect the same ramp connection at the freeway. Under the No Build Alternative, they originate at Avalon Boulevard. Under the Build Alternative, they originate at Lenardo Drive.

** The two ramps with the ** mark reflect the same ramp connection at the freeway. Under the No Build Alternative, they outlet at Avalon Boulevard. Under the Build Alternative, they outlet at Lenardo Drive.

Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

	No Build		Build	
Cross-Street Segment	**AADT**	**Truck AADT**	**AADT**	**Truck AADT**
Avalon Boulevard between NB and SB Ramps	50,197	1,205	53,268	1,278
Lenardo Drive between Ramps and Avalon Blvd.	n/a	n/a	35,406	850

RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

	No Build		Build	
Cross-Street Segment	**AADT**	**Truck AADT**	**AADT**	**Truck AADT**
Avalon Boulevard Between NB Ramps and SB Ramps	54,331	1,304	55,604	1,334
Lenardo Drive Between Ramps and Avalon Blvd.	n/a	n/a	36,834	885

Describe potential traffic redistribution effects of congestion relief *(impact on other facilities)*

This project would improve traffic conditions in the surrounding area by providing a direct link between the Carson Marketplace site and the I-405 interchange, thereby redistributing a considerable number of trips from circuitous routes to the interchange. This redistribution would result in a reduction in VMT and the number of intersections encountered, lowering the ADT through the nearby intersections.

The potential traffic redistribution as a result of the Build alternative would result in a net traffic benefit and reduce congestion in the project vicinity. The project will improve or maintain LOS service levels at 13 of the 14 intersections analyzed, except at the Avalon Blvd/NB I-405 ramps intersection.

The LOS is shown as increased at the Avalon Blvd and NB I-405 intersection because of the addition of a new left-turn movement from the northbound off-ramp onto southbound Avalon Boulevard, with changes in the signalization phasing. Notwithstanding, the increase in the future LOS level at this intersection would still be LOS B in the A.M. peak hour and LOS D in the P.M. peak hour; and the overall number of trips through this particular intersection would be reduced by 2030 (from AADT of 75,066 without project to 72,572 with project).

The overall number of trips goes down as southbound traffic can enter and leave the Carson Marketplace site directly without a circuitous route via Del Amo Boulevard and through the intersection. See attached Table 1 for traffic data at all analyzed intersections.

Delay time improvements

In addition to improvements in LOS and traffic volumes, the delay time through the surrounding intersections would also decrease substantially as shown in the attached Table 2. Delay times will decrease or stay the same at nine of the 14 analyzed intersections. The net delay time decreases by over 40 minutes during peak traffic hours. This decrease in delay time reduces the number of idling vehicles, thereby reducing the emissions of $PM_{2.5}$ and PM_{10}. T

Comments/Explanation/Details *(attach additional sheets as necessary)*

This project proposes to provide access to the future Carson Marketplace and improve traffic operations at the I-405 and Avalon Blvd interchange by extending Lenardo Dr and realigning, widening, and constructing ramps at and within the interchange. The interchange is located in an urban area with a mix of residential and commercial uses. As indicated in the traffic data, the I-405/Avalon Blvd interchange will not experience significant truck traffic volumes in the projected future years. In addition, the project proposes to reduce the overall number of trips and significantly reduce the net delay time by over 40 minutes by 2030, which in turn, will result in reduction of idling vehicles and reduction of diesel emissions including fine dust. Based on the information provided in this review form (with low truck volumes projected, reduced number of trips, and improved net delay), it is believed that the project is not a project of air quality concern.

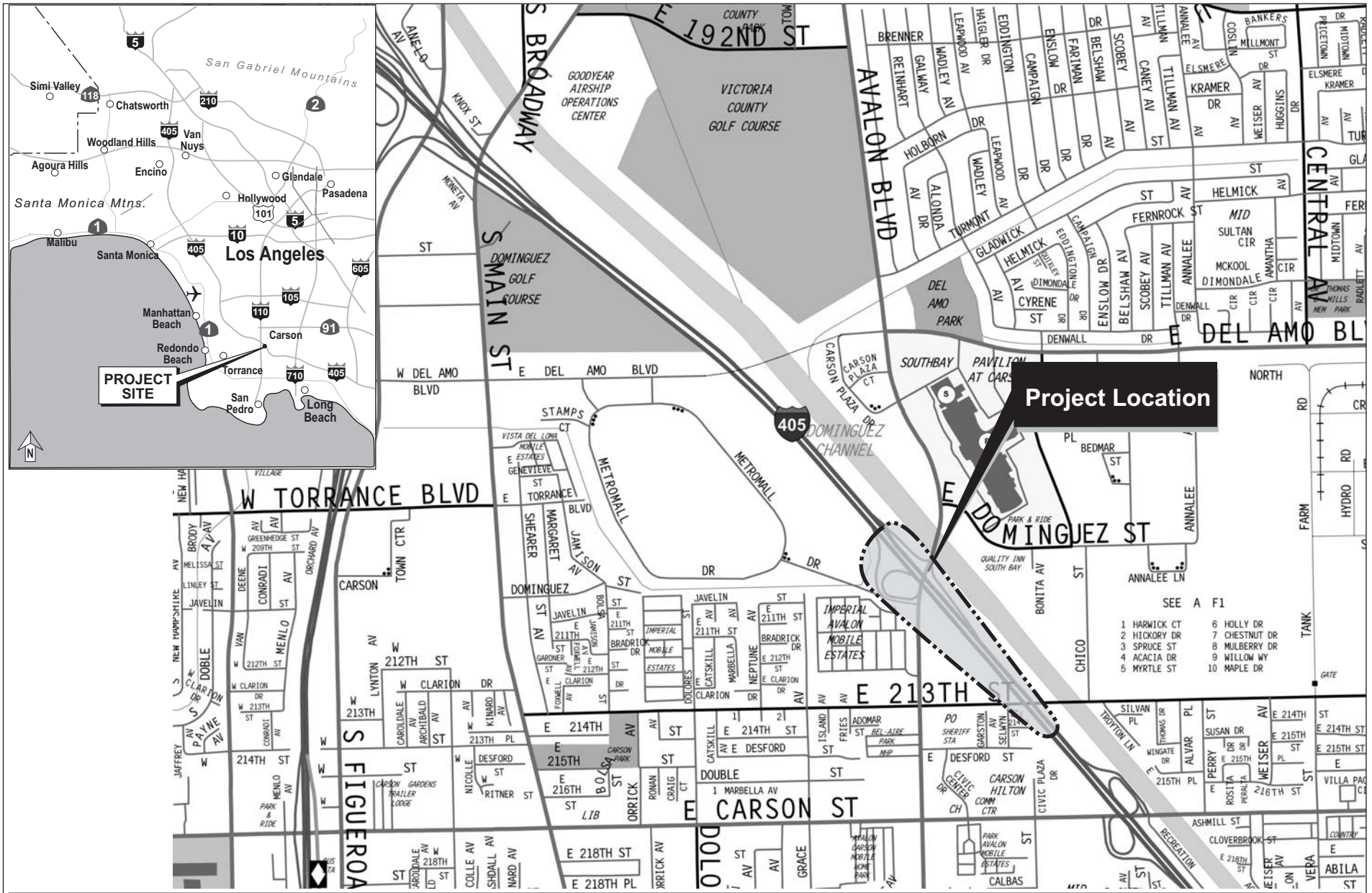


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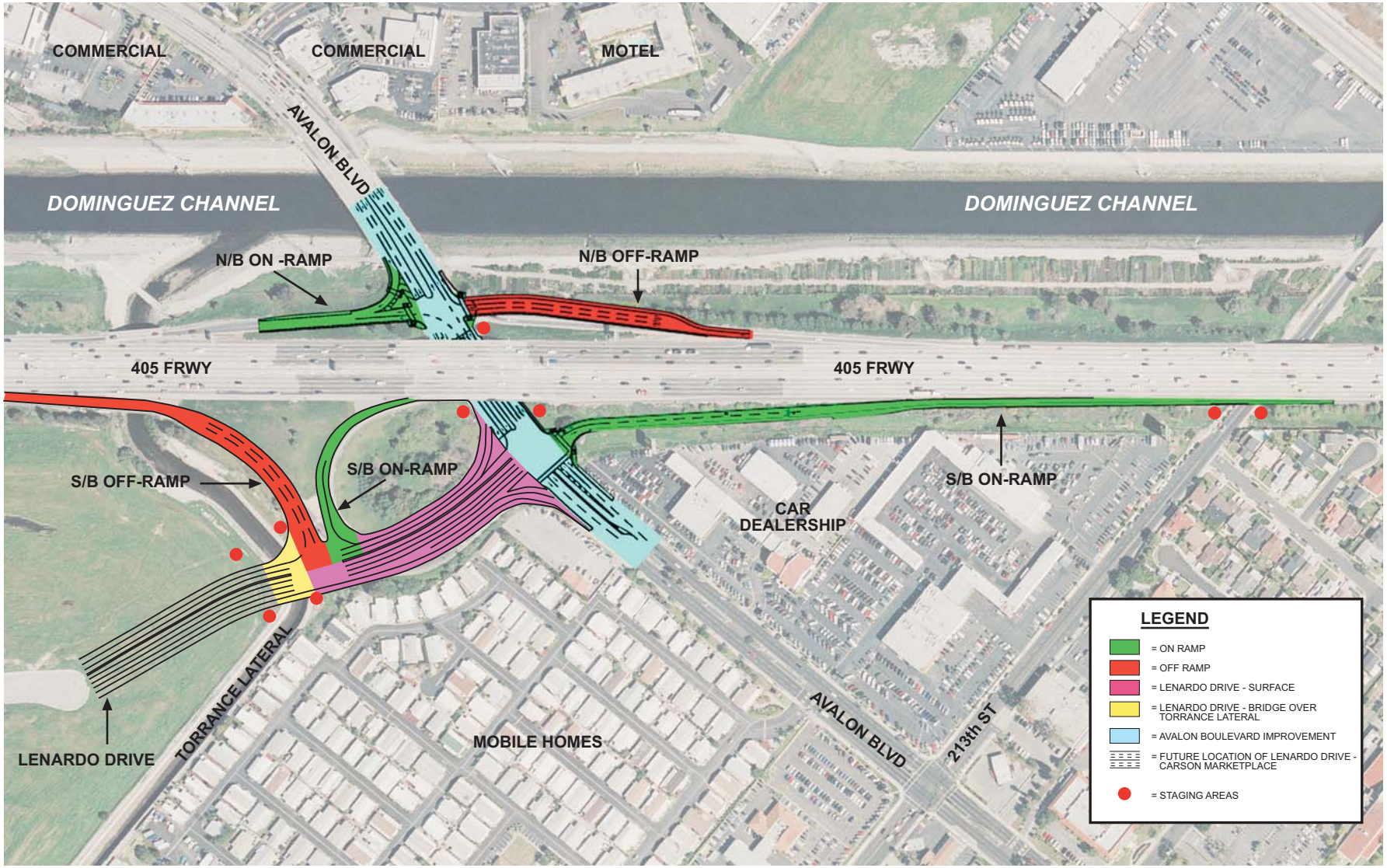
Figure 1
Project Location



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0 150 300 600 Feet

Scale in approximate feet.
Source: DMJM Harris, 2006.

~~Figure 2~~
Project Features

Table 1
Traffic Data - All Intersections

	2010								2030							
	No Build				Build				No Build				Build			
	LOS		AADT	Truck AADT	LOS		AADT	Truck AADT	LOS		AADT	Truck AADT	LOS		AADT	Truck AADT
Intersection Location	**AM**	**PM**			**AM**	**PM**			**AM**	**PM**			**AM**	**PM**		
I-405 NB Ramps & Carson Street	A	A	34,318	824	A	A	37,822	908	A	A	40,433	970	A	A	36,877	885
I-405 SB Ramps & Carson Street	A	B	37,861	909	A	A	44,724	1,073	A	B	47,651	1,144	A	A	40,709	977
Avalon Boulevard & Carson Street	C	E	66,982	1,608	C	D	75,394	1,809	D	E	80,577	1,934	C	D	72,034	1,729
Main Street & Carson Street	D	F	69,790	1,675	D	E	79,160	1,900	D	F	83,976	2,015	D	F	74,619	1,791
Avalon Boulevard & 213th Street	B	C	51,483	1,236	B	C	53,780	1,291	B	C	57,625	1,383	B	C	55,210	1,325
Avalon Boulevard & I-405 NB Ramps	A	B	68,255	1,638	B	D	70,814	1,700	A	B	75,066	1,802	B	D	72,572	1,742
Avalon Boulevard & Lenardo Drive/I-405 SB On-Ramp	B	A	67,034	1,609	B	B	59,409	1,426	B	B	63,176	1,516	B	B	70,525	1,693
I-405 SB Ramps & Lenardo Drive	-	-	42,336	1,016	B	B	25,302	607	-	-	-	-	B	B	43,714	1,049
Main Street & Torrance Boulevard	E	F	48,163	1,156	D	D	59,816	1,436	E	F	62,480	1,500	E	E	50,827	1,220
Main Street & Lenardo Drive	B	D	43,937	1,054	A	B	56,496	1,356	B	D	58,399	1,402	A	B	45,840	1,100
Avalon Boulevard & Del Amo Boulevard	D	F	65,472	1,571	C	D	75,879	1,821	D	F	80,486	1,932	C	E	70,066	1,682
Stamps Drive & Del Amo Boulevard	C	E	55,604	1,334	C	C	66,234	1,590	C	E	67,493	1,620	C	C	56,864	1,365
Main Street & I-405 NB Off-Ramp	B	B	33,425	802	B	B	33,425	802	B	B	35,722	857	B	B	35,722	857
Main Street & I-405 SB On-Ramp	A	B	35,604	854	A	B	35,604	854	A	B	38,084	914	A	B	38,084	914
TOTAL			**720,262**	**17,286**			**773,858**	**18,573**			**791,168**	**18,988**			**763,661**	**18,328**

TABLE 2
DESIGN YEAR (2030) INTERSECTION LEVEL OF SERVICE ANALYSIS

			2030					
		Peak	No Build Alternative		Build Alternative		Change in Delay	Significant Impact?
	Intersection	Hour	Delay [1]	LOS[2]	Delay [1]	LOS[2]		
1	Carson St &	**AM**	5.6	A	6.3	A	0.7	No
	I-405 N/B Ramps	**PM**	5.0	A	5.4	A	0.4	No
2	Carson St &	**AM**	9.8	A	6.4	A	-3.4	No
	I-405 S/B Ramps	**PM**	16.7	B	6.9	A	-9.8	No
3	Avalon Bl &	**AM**	49.4	D	29.5	C	-19.9	No
	Carson St	**PM**	66.0	E	47.3	D	-18.7	No
4	Main St &	**AM**	44.2	D	40.2	D	-4.0	No
	Carson St	**PM**	162.0	F	82.9	F	-79.1	No
5	Avalon Bl &	**AM**	17.4	B	17.5	B	0.1	No
	213th St	**PM**	25.7	C	33.4	C	7.7	No
6	Avalon Bl &	**AM**	7.0	A	12.2	B	5.2	No
	I-405 N/B Ramps	**PM**	19.7	B	53.7	D	34.0	No
7	Avalon Bl &	**AM**	13.5	B	17.3	B	3.8	No
	Lenardo Dr/I-405 S/B On-Ramp	**PM**	10.9	B	17.8	B	6.9	No
8	Lenardo Dr &	**AM**	Future		16.6	B	Not Applicable	
	I-405 S/B Ramps	**PM**	Intersection [3]		16.3	B		
9	Main St &	**AM**	85.2	E	56.7	E	-28.5	No
	Torrance Bl	**PM**	114.2	F	64.7	E	-49.5	No
10	Main St &	**AM**	10.4	B	7.6	A	-2.8	No
	Lenardo Dr	**PM**	53.8	D	16.8	B	-37.0	No
11	Avalon Bl &	**AM**	42.1	D	32.6	C	-9.5	No
	Del Amo Bl	**PM**	98.4	F	71.8	E	-26.6	No
12	Stamps Dr &	**AM**	24.9	C	21.7	C	-3.2	No
	Del Amo Bl	**PM**	77.4	E	34.1	C	-43.3	No
13	Main St &	**AM**	15.7	B	15.7	B	0.0	No
	I-405 N/B Ramps	**PM**	13.6	B	13.6	B	0.0	No
14	Main St &	**AM**	9.9	A	9.9	A	0.0	No
	I-405 S/B Ramps	**PM**	17.9	B	17.9	B	0.0	No

Notes:

[1] Average delay in seconds per vehicle.

[2] Level of service (LOS) calculated using 2000 Highway Capacity Manual level-of-service methodology.

[3] Intersection does not exist; to be constructed as part of I-405/Avalon interchange improvement project.

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