APPENDIX B-2

Cultural Resources Technical Report

RECON

Results of Historical Resources Survey of the Balboa Park Plaza de Panama Project, City of San Diego Project No. 233958

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NATIONAL ARCHAEOLOGICAL DATA BASE INFORMATION

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ABSTRACT

RECON completed a field and archival investigation of the Balboa Park Plaza de Panama Project in the City of San Diego. The project is located in west central Balboa Park, in the canyon west and south of the Museum of Man complex, behind the Alcazar Garden, and along the mesa that extends south of the Organ Pavilion. The project property has been extensively impacted over the years by construction of the Balboa Park buildings, streets, parking lots, and landscaping. A record search was conducted of the archaeological data bases maintained at the South Coastal Information Center (SCIC).The project is within the Balboa Park Historic Landmark District; site number P-37-028239. The Balboa Park Historic Landmark District is on the National Register of Historic Places (designation number 77000331), California Register of Historic Resources, and the City of San Diego Register of Historical Resources. Three previously recorded archaeological resources are present within the project area. CA-SDI-15826 is a historic trash deposit that had been found in a utility trench south of the House of Hospitality and north of the Japanese Garden, on the east side of the Mall. CA-SDI-15827 is a second historic trash deposit that had been found in a utility trench on Presidents Way. P-37-019074 is a single piece of porcelain found in the El Prado roadbed that had been approximately 50 meters west of the Museum of Man.

The field survey found two small shell scatters within the project boundary and no evidence of the Arizona Street Landfill. The resource 6095-HJP-1 is a scatter of approximately 25 small *Chione* sp. and *Pectin* sp. fragments in a dirt area around a set of irrigation valve boxes in the landscaped area between the south end of the Organ Pavilion parking lot and Presidents Way. The area measures approximately 6 meters by 4 meters. The resource 6095-HJP-2 is a scatter of approximately 25 small *Chione* sp. and *Pectin* sp. fragments in a dirt area around a set of irrigation valve boxes in the landscaped area behind the Organ Pavilion, measuring approximately 6 meters by 4 meters. No artifacts were found within either shell scatter.

With the information found at the survey level, it could not be determined if 6095-HJP-1 and 6095-HJP-2 qualify under the California Environmental Quality Act (CEQA) or City of San Diego criterion as significant historical resources. RECON completed a testing program for the two shell scatters to determine their significance based on current City of San Diego guidelines. The results of the testing program indicate that both scatters are secondary deposits of fill dirt mixed with shell, recent trash, and building material.

One subsurface historic trash deposit, CA-SDI-15827, is recorded within the tram turnaround that is proposed for restriping but no grading. Thus, the project would not impact this site. The other historic trash deposit, CA-SDI-15826, is recorded as being located within the Mall improvement area that would be graded. A determination of significance was not made when the trash deposit was found in 2000. A testing program was completed by RECON to determine if the site occurred within the area of impact and, if it does, to determine if the site is an historical resource as defined by the CEQA. The testing program found no indication of CA-SDI-15826 in the area it was recorded. As such, the project would not impact this site.

P-37-019074 is an isolate in a disturbed context, the El Prado roadbed, and is not an historical resource under CEQA or a significant resource as defined by City of San Diego criteria. The Arizona Street Landfill was determined not an historical resource under CEQA or a significant resource as defined by the City of San Diego criteria.

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1.0 Management Summary

The purpose of this study was to determine whether the implementation of the proposed Balboa Park Plaza de Panama project would adversely impact significant archaeological resources. To accomplish this assessment, RECON completed a field and archival investigation of the Balboa Park Plaza de Panama project. The research began with a record search of the archaeological databases maintained at the South Coastal Information Center (SCIC). Field investigations consisted of an on-foot survey and subsequent subsurface testing.

The project area was surveyed by RECON archaeologist Harry Price on March 28, 2011. Native American Monitor Clinton Linton, from Red Tail Monitoring and Research, Inc., surveyed the project area on March 30, 2011.A subsequently identified work access road and staging area was surveyed on September 21, 2011. A testing program for two shell scatters and one recorded historic deposit was conducted to determine their significance based on current City of San Diego guidelines and whether they constitute an historical resource under the California Environmental Quality Act (CEQA). The results of the testing program indicate that both scatters are secondary deposits of fill dirt mixed with shell and recent trash and building material. The testing program in the area of the recorded historic deposit demonstrated that the recorded site is not within the area of impact.

The project is located in west central Balboa Park, in the canyon west and south of the Museum of Man complex, behind the Alcazar Garden, and along the mesa that extends south of the Organ Pavilion. The project property has been extensively impacted by grading and filling during the original 1915 construction of Balboa Park and intermittently since then for upgrading of roads, sewer, water, and electric facilities, landscaping, and parking facilities.

The project is within the Balboa Park Historic Landmark District, site number P-37-028239. The Balboa Park Historic Landmark District is on the National Register of Historic Places (designation number 77000331), California Register of Historic Resources, and the City of San Diego Register of Historical Resources. Three previously recorded archaeological resources are identified within the project area. CA-SDI-15826 and CA-SDI-15827 are recorded as subsurface historic trash deposits found in utility trenches. P-37-019074 is a single piece of porcelain that was found in the El Prado roadbed approximately 50 meters west of the Museum of Man.

The field survey found two small shell scatters within the project boundary. The site 6095-HJP-1 is a scatter of approximately 25 small *Chione* sp. and *Pectin* sp. fragments in a dirt area around a set of irrigation valve boxes in the landscaped area between the south end of the Organ Pavilion parking lot and Presidents Way. The area measures approximately 6 meters by 4 meters. The site 6095-HJP-2 is a scatter of approximately

25 small *Chione* sp. and *Pectin* sp. fragments in a dirt area around a set of irrigation valve boxes in the landscaped area behind the Organ Pavilion, measuring approximately 6 meters by 4 meters. No artifacts were found with either shell scatter.

With the information found at the survey level, it could not be determined if 6095-HJP-1 and 6095-HJP-2 qualify as an historical resource under CEQA or City of San Diego criterion as significant historical resources. Therefore, RECON completed a testing program for the two shell scatters to determine their significance based on current City of San Diego guidelines. The results of the testing program indicate that both scatters are secondary deposits of fill dirt mixed with shell and recent trash and building material. As discussed below, neither of these deposits qualifies as an historical resource under CEQA or a significant archaeological site based on the current City of San Diego guidelines.

One of the two recorded subsurface historic trash deposits, CA-SDI-15826, is located within the Mall improvement area that would be graded. With the information furnished on the Department of Park and Recreation (DPR) form it could not be determined if this site qualifies under the CEQA or City of San Diego criterion as significant historical resource. Therefore, RECON completed a testing program for CA-SDI-15826 to determine its significance based on current City of San Diego guidelines. As discussed below, the testing program indicated that the site as described in the recorded material does not occur within the proposed area of potential effect.

The other subsurface historic trash deposit, CA-SDI-15827, is within the tram turnaround that is proposed for restriping but no grading. Thus, the project would not impact this site.

P-37-019074 is an isolate in a disturbed context, the El Prado roadbed, and is not a potentially significant resource under CEQA or City of San Diego criteria.

As a result of the archival, survey and testing program, it was determined that the proposed project will not have a significant adverse impact on archaeological historical resources.

2.0 Introduction

The Balboa Park Plaza de Panama Project is located in west central Balboa Park, east of State Route 163 (SR-163) and west of Park Boulevard (Figures 1–4). The project site is found in an unsectioned portion of the Mission San Diego land grant, Township 16 South, Range 3 West, on the Point Loma Quadrangle of the USGS 7.5-minute topographic series (see Figure 2).

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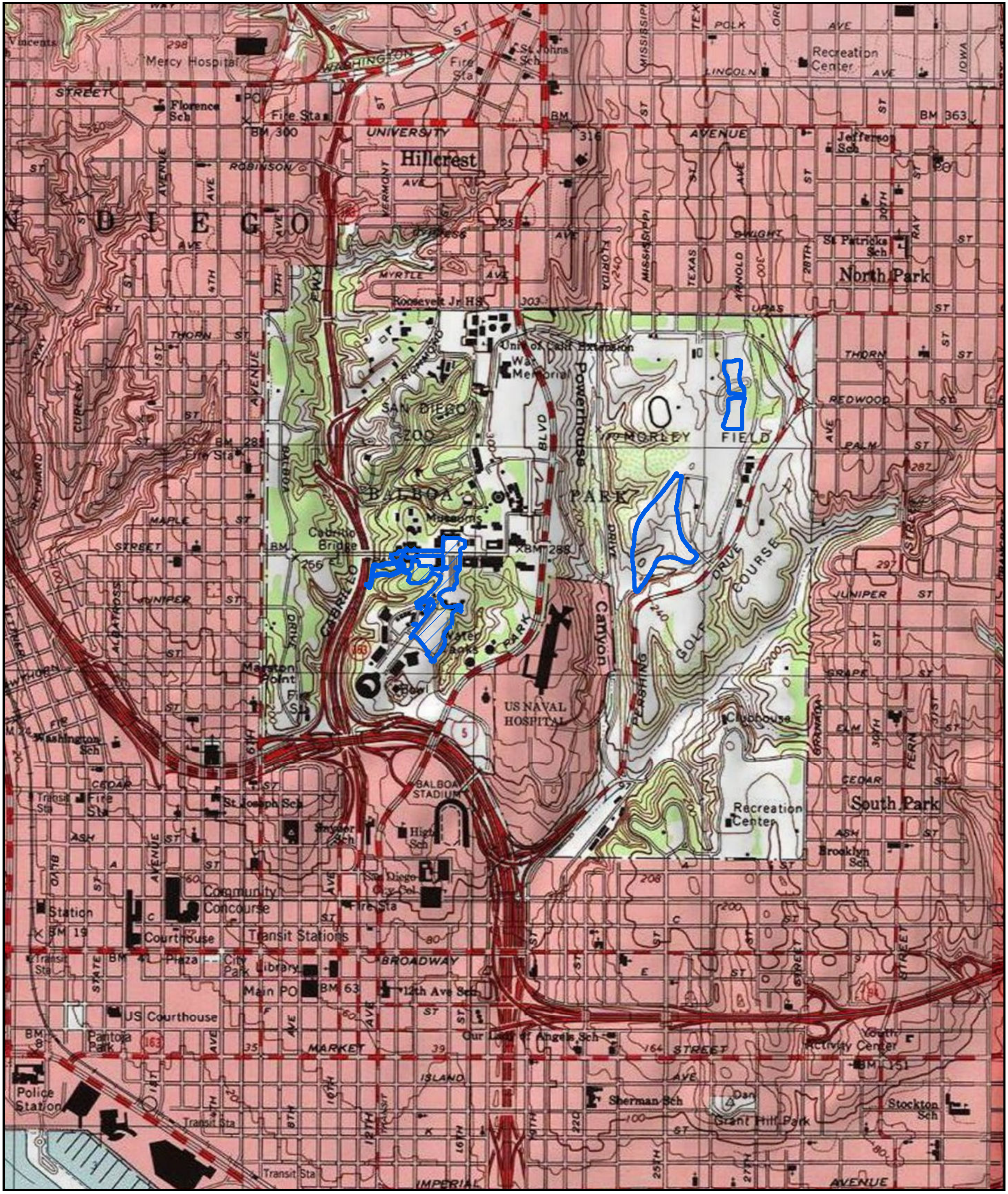
FIGURE 1

Regional Location

Map Source: USGS 7.5 minute topographic map series, Point Loma quadrangle, Pueblo Lands of San Diego Landgrant



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▨ Project Area

☐ Off-site Project Components

FIGURE 2

Project Location on USGS Map

Map Source: City of San Diego, Engineering and Development Department, City 800' Maps, Number 202-1713 & 202-1725

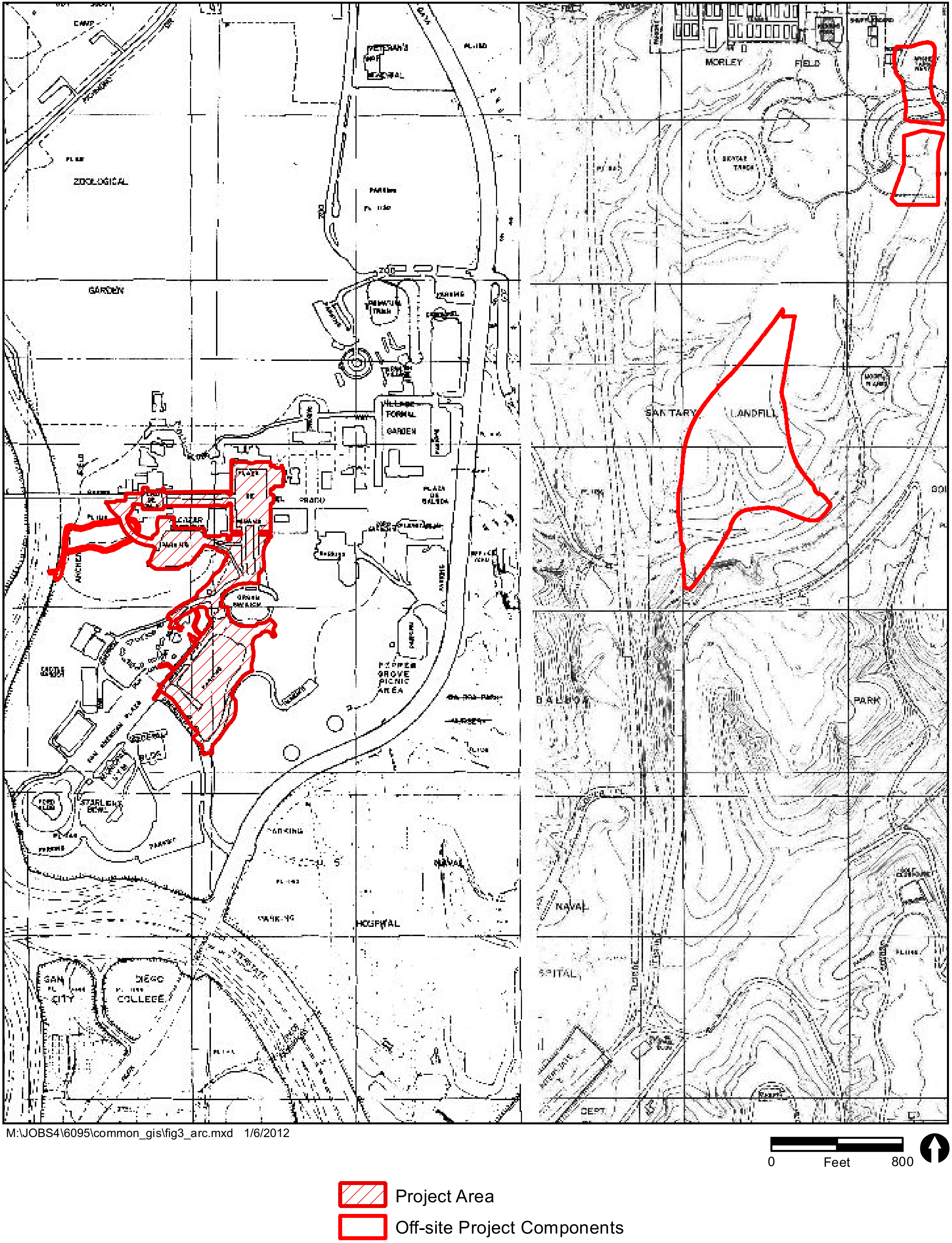

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FIGURE 3

Project Location on City 800' Map

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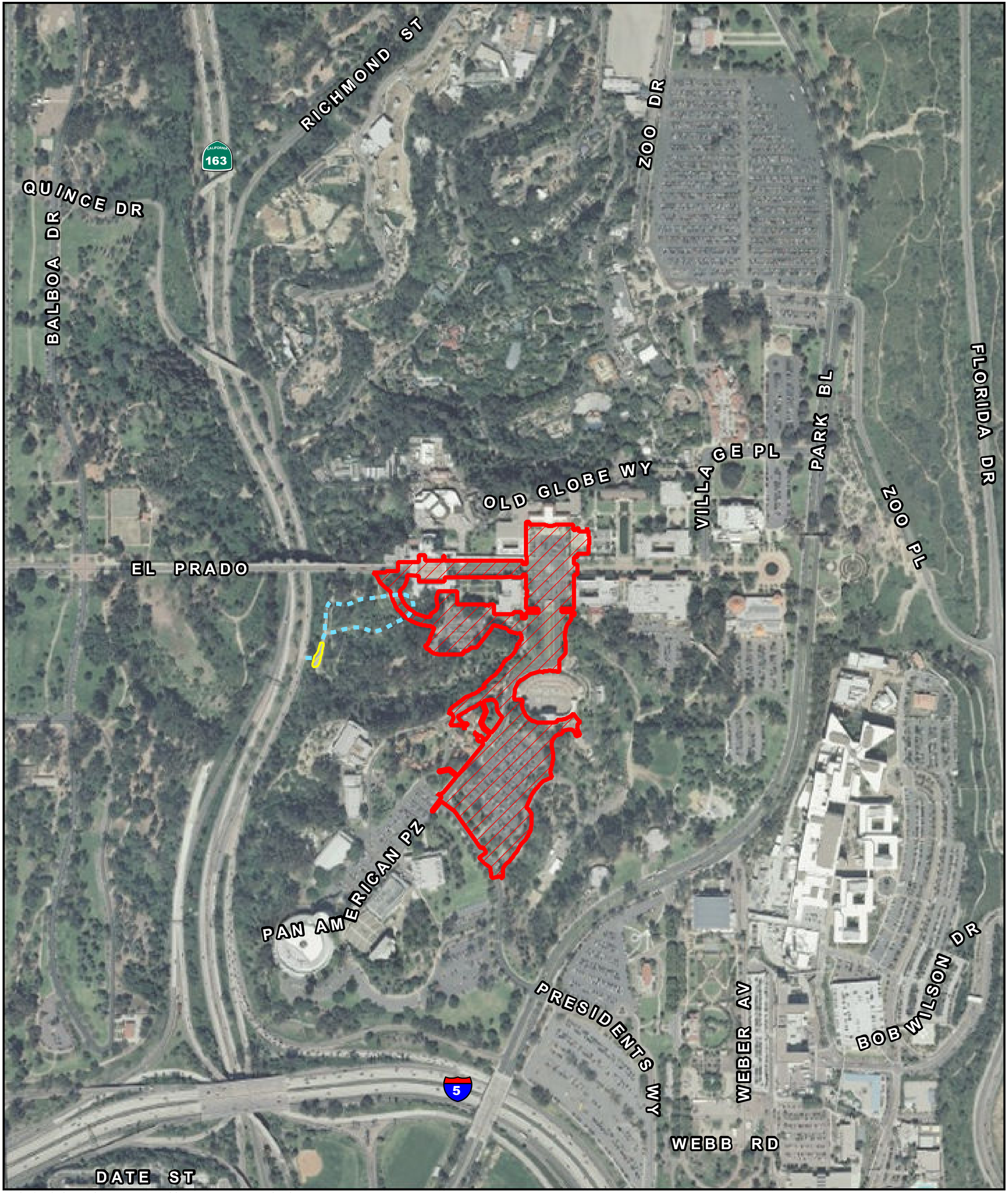

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▨ Project Area

Off-site Project Components

- - - Existing Temporary Access Road

▨ Staging and Storage Area

FIGURE 4a

Project Site on Aerial Photograph

Project Location and Temporary Impact Location

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🟥 Off-site Project Components

FIGURE 4b

Project Site on Aerial Photograph

Off-site Fill Disposal Site at the Arizona Street Landfill

The project proposes to return pedestrian uses at locations throughout the park including the Plaza de Panama, El Prado, California de Plaza, and the Mall. The main objectives of the project include the following:

- Remove vehicles from the Plaza de Panama, El Prado, Plaza de California, the Mall, and Pan American Road while maintaining public and proximate vehicular access to the institutions which are vital to the park's success and longevity.
- Restore pedestrian and park uses to El Prado, Plaza de Panama, Plaza de California, the Mall, and the California Gardens behind the Organ Pavilion.
- Improve access to the Central Mesa through the provision of additional parking, while maintaining convenient drop-off, disabled access, and valet parking, and a new tram system with the potential for future expansion.
- Improve the pedestrian link between the Central Mesa's two cultural cores: El Prado and the Palisades.
- Implement a funding plan including bonds that provides for a self-sustaining parking structure intended to fund the structure's operation and maintenance, the planned tram operations, and the debt service on the structure only.
- Complete all work prior to January 2015 for the 1915 Panama-California Exposition centennial celebration.

To accomplish this pedestrian orientation objective for the Park, a variety of circulation and parking structural improvements are being proposed. The major construction elements involved in the improvements consist of the building of Centennial Bridge and Road, a new circulation road west of the Pan American Road and south of the Organ Pavilion, and a new multi-level parking structure south of the Organ Pavilion.

The Centennial Bridge and Road will begin at the east end of the Cabrillo Bridge, continue through the eucalyptus grove around the southwest corner of the Museum of Man, and connect to the existing Alcazar parking lot, which is at a slightly higher elevation than the Cabrillo Bridge. The connection will be designed to minimize impact to the historic fabric of the bridge and park setting.

The new Centennial Road will exit the east end of the Alcazar parking lot and swing south, running west of the existing Pan American Road through a currently landscaped area and sidewalk. The new road will pass below Pan American Road, and run along the south side of the Organ Pavilion to access the north side of the new underground parking structure.

The proposed new parking structure and rooftop park will be constructed at the location of the existing Organ Pavilion surface lot. The proposed underground parking structure would provide 798 parking spaces on three levels with a 97,000-square-foot rooftop park. This would involve the export of 142,000 cubic yards of soils to the Arizona Street Landfill and the protection and reconfiguration of the existing active gas collection system.

Minor construction proposed for the project includes removal of existing paving and replacement with thematic paving in the Plaza de Panama, Plaza de California, and El Prado. The Alcazar Garden parking lot will be leveled and repaved. New landscaping will take place in the Plaza de Panama, and along El Prado, the Mall, and the Pan American Promenade.

3.0 Physical and Cultural Setting

3.1 Physical Setting

The project site is in west central Balboa Park, east of SR-163 and south of El Prado. The proposed new circulation aspect of the project basically runs along the western edge of the main mesa in Balboa Park, overlooking SR-163. Except for the canyon south and west of the Museum of Man, the entire project area has been extensively impacted by construction of the buildings, roads, walkways, and landscaping for the park. The mesa top on which the buildings and roads are located has been graded flat and most of the mesa slopes probably have some soil pushed from the mesa top extending part way down their faces. Planters and landscaped areas have been dug up and imported soil has most likely been brought in to augment the existing mesa top soil. Elevation on the property ranges from approximately 220 feet above mean sea level (AMSL) to approximately 260 feet AMSL (see Figures 3 and 4a and 4b).

Except for a few shrubs and annuals, in the canyons the vast majority of the vegetation in the project area consists of exotic plants brought in for landscaping. These include various eucalyptus species (*Eucalyptus* sp.), Pines (*Pinus* sp.), ficus (*Ficus* sp.), southern magnolia (*Magnolia grandiflora*), several genius of palms, and annual flowers and grasses (Puplava and Sioris 2001).

3.2 Cultural Setting

3.2.1 Prehistoric Period

The prehistoric cultural sequence in San Diego County is generally conceived as comprising three basic periods: the Paleoindian, dated between about 11,500 and 8,500 years ago and manifested by the artifacts of the San Dieguito Complex; the Archaic, lasting from about 8,500 to 1,500 years ago (AD 500) and manifested by the cobble and core technology of the La Jollan Complex; and the Late Prehistoric, lasting from about 1,500 years ago to historic contact (i.e., AD 500 to 1769) and represented by the Cuyamaca Complex. This latest complex is marked by the appearance of ceramics, small arrow points, and cremation burial practices.

The Paleoindian Period in San Diego County is most closely associated with the San Dieguito Complex, as identified by Rogers (1938, 1939, 1945). The San Dieguito assemblage consists of well-made scraper planes, choppers, scraping tools, crescentics, elongated bifacial knives, and leaf-shaped points. The San Dieguito Complex is thought to represent an early emphasis on hunting (Warren et al. 1993:III-33).

The Archaic Period brings an apparent shift toward a more generalized economy and an increased emphasis on seed resources, small game, and shellfish. The local cultural manifestations of the Archaic Period are called the La Jollan Complex along the coast and the Pauma Complex inland. Pauma Complex sites lack the shell that dominates many La Jollan sites. Along with an economic focus on gathering plant resources, the settlement system appears to have been more sedentary. The La Jollan assemblage is dominated by rough, cobble-based choppers and scrapers, and slab and basin metates. Large side-notched and Elko series projectile points appeared. Large deposits of marine shell at coastal sites argue for the importance of shellfish gathering to the coastal Archaic economy.

Near the coast and in the Peninsular Mountains beginning approximately 1,500 years ago, patterns began to emerge which suggest the ethnohistoric Kumeyaay. This period is characterized by higher population densities and elaborations in social, political, and technological systems. Economic systems diversify and intensify during this period, with the continued elaboration of trade networks, the use of shell-bead currency, and the appearance of more labor-intensive, but effective technological innovations. The late prehistoric archaeology of the San Diego coast and foothills is characterized by the Cuyamaca Complex. It is primarily known from the work of D. L. True at Cuyamaca Rancho State Park (True 1970). The Cuyamaca Complex is characterized by the presence of steatite arrowshaft straighteners, steatite pendants, steatite comales (heating stones), Tizon Brownware pottery, ceramic figurines reminiscent of Hohokam styles, ceramic “Yuman bow pipes,” ceramic rattles, miniature pottery various cobble-based tools (e.g., scrapers, choppers, hammerstones), bone awls, manos and metates, mortars and pestles, and Desert side-notched (more common) and Cottonwood Series projectile points.

3.2.2 Ethnohistory

The Kumeyaay (also known as Kamia, Ipai, Tipai, and Diegueño) occupied the southern two-thirds of San Diego County. The Kumeyaay lived in semi-sedentary, politically autonomous villages or rancherias. Settlement system typically consisted of two or more seasonal villages with temporary camps radiating away from these central places (Cline1984a and 1984b). Their economic system consisted of hunting and gathering, with a focus on small game, acorns, grass seeds, and other plant resources. The most basic social and economic unit was the patrilocal extended family. A wide range of tools was made of locally available and imported materials. A simple shoulder-height bow was used for hunting. Numerous other flaked stone tools were made including scrapers, choppers, flake-based cutting tools, and biface knives. Preferred stone types were locally available metavolcanics, cherts, and quartz. Obsidian was imported from the deserts to the north and east. Ground stone objects include mortars and pestles typically made of locally available, fine-grained granite. Both portable and bedrock types are known. The Kumeyaay made fine baskets. These employed either coiled or twined construction. The Kumeyaay also made pottery, using the paddle-and-anvil technique. Most were a plain brown utility ware called Tizon Brownware, but some were decorated (Meighan 1954; May 1976, 1978).

3.2.3 Spanish/Mexican/American Periods

The Spanish Period (1769–1821) represents a time of European exploration and settlement. Military and naval forces along with a religious contingent founded the San Diego Presidio, the pueblo of San Diego, and the San Diego Mission in 1769 (Rolle1998). Native American culture in the coastal strip of California rapidly deteriorated despite repeated attempts to revolt against the Spanish invaders (Cook 1976). The Spanish mission system used forced Native American labor to produce goods and provide services needed for European settlement. Also with the arrival of the Spanish came devastating epidemics and very high death rates. According to available mission records, the worst year was 1806 when a measles epidemic hit southern California. An estimated 33.5 percent of the Indian population along the coast died (Cook 1976:424). The mission system also introduced horses, cattle, sheep, and agricultural goods and implements and provided new construction methods and architectural styles. One of the hallmarks of the Spanish colonial scheme was the rancho system. In an attempt to encourage settlement and development of the colonies, large land grants were made to meritorious or well-connected individuals.

In 1821, Mexico declared its independence from Spain. During the Mexican Period (1822–1848), the mission system was secularized by the Mexican government and these lands allowed for the dramatic expansion of the rancho system. The southern California economy became increasingly based on cattle ranching. Native American communities continued to decline, particularly those close to the coast. However, some

Native Americans found jobs as vaqueros, laborers, gardeners, and housekeepers. The Mexican Period ended when Mexico signed the Treaty of Guadalupe Hidalgo on February 2, 1848, concluding the Mexican-American War (1846–1848; Rolle 1998). The great influx of Americans and Europeans resulting from the California Gold Rush in 1848-49 eliminated many remaining vestiges of Native American culture. Indian rancherias were supposed to be recognized by the American government by the terms of the Treaty of Guadalupe Hidalgo, but they were not.

The American homestead system encouraged settlement beyond the coastal plain into areas where Indians had retreated to avoid the worst of Spanish and Mexican influences (Carrico 1987; Cook 1976). Continuing European encroachments eventually made traditional band level lifeways progressively unviable, even in the east county. A few impoverished bands were able to retain traditional patterns in remote mountain areas until the early twentieth century, but the broader and complex Kumeyaay social system was effectively dismantled by the mid nineteenth century.

As more and more land was claimed by Europeans farming and ranching subsistence for Indians decreased and reliance on wage and subsistence labor increased (Shipek 1978). Reservations had begun to be set up in in the 1870s in San Diego County, but not until the 1891 Act for the Relief of Mission Indians was legal title to reservation lands secured (Shipek 1978). After this an increase in Native American farm and ranching activity occurred, both for subsistence and for cash sale.

A rural community cultural pattern existed in San Diego County from approximately 1870 to 1930. These communities were composed of an aggregate of people who lived within well-defined geographic boundaries, on farmsteads tied together through a common school district, church, post office, and country store (Hector and Van Wormer1986). In the post-World War II period, the economy shifted from ranching and agriculture to light manufacturing, the military, and tourism.

3.2.4 Balboa Park

Balboa Park had its beginnings in February 1870. At that time, approximately 1,400 acres were set aside by the state legislature for park purposes. For many years no development took place, hampered to a large extent by the difficulty in supplying the area with water (Engstrand 1980). Some development took place in the late 1890s when approximately 100 acres was granted to private individuals to develop several charitable institutes, including an orphan’s home, industrial school, and a home for indigent women (Engstrand 1980). In 1892, Kate Sessions set up a nursery on 30 acres in Balboa Park, called City Park at that time, and began planting areas in the park, assisted by the Lady’s Annex of the San Diego Chamber of Commerce.

In 1902, a Park Improvement Committee was set up to develop a master plan for the park and work began on development (Engstrand 1980). Samuel Parsons Jr. was hired to design the new park (Sutro 2002). In 1909, plans were organized for an exposition to celebrate the opening of the Panama Canal, and City Park was chosen as the location. The Olmstead brothers, planners and landscape designers from Massachusetts, were hired by the City to replace Parsons for the design. The Olmstead Brothers hired architect Bertram Grossvenor Goodhue to design the exposition, including the California Building and Tower (now the Museum of Man) (Sutro 2002). Goodhue chose a Spanish Colonial style of architecture, and decided to focus his design on the main mesa in the park (Sutro 2002). His design incorporated a main east-west promenade, El Prado, with buildings lining its sides. A second promenade extended south from El Prado, incorporating the Organ Pavilion and some buildings southwest of the Organ Pavilion. The majority of the buildings erected for the exposition were intended to be temporary, the California building being one of the few designed to be permanent.

After the 1915 exposition some new permanent buildings were constructed along El Prado. The San Diego Museum of Art, designed by architect William Templeton Johnson, was built in 1926. The Natural History Museum, also designed by Johnson, was constructed in 1933, although only one wing of the original two-sided design was actually built (Sutro 2002).

Balboa Park was again the scene of a second exposition in 1935. Architect Richard Requa was chosen by the City to develop a plan for the exposition, named the California Pacific International Exposition. Requa's plan expanded the building plan for the exposition into the mesa top southwest of the Organ Pavilion. This area, called the "Palisades" incorporated the area now called the Pan American Plaza and its surrounding buildings (Sutro 2002). Architectural styles used by Requa in his building design included Spanish colonial, Pueblo Revival, and Streamline Modern. Requa also designed the Alcazar Garden, tucked between the House of Charm and the California Building.

Since the 1970s several of the original buildings from the 1915 exposition have been reconstructed or heavily renovated. These include the Houses of Charm and Hospitality, and the Casa del Prado. In addition, the Casa del Balboa was rebuilt after it was destroyed by a fire. Several new buildings have also been added along the Prado, including the Timken Gallery, the west wing of the Museum of Art, and the Ruben H. Fleet Science Center.

4.0 Study Methods

4.1 Records Search

Site record searches were conducted through the SCIC of the California Historic Resources Information System. The results of the record search are provided in Confidential Attachment 1.

4.2 Survey

The project area was surveyed by RECON archaeologist Harry Price on March 28, 2011. Native American Monitor Clinton Linton, from Red Tail Monitoring and Research, Inc., surveyed the project area on March 30, 2011. Field inspection was conducted on foot in conditions of good weather and natural daylight. The survey area consisted of areas of potential disturbance within the larger project area. This included grading areas and landscaping areas. Some areas of potential disturbance were not surveyed because they are in roads or parking lots. Transect spacing varied depending on the extent of disturbance and ground cover (Figures 5a and b). Grassy areas and areas of dense landscaping, with ground visibility between 15 and 0 percent, were only cursorily inspected (Photographs 1 and 2). These were also areas that have been heavily impacted by grading and excavation for landscaping. Hardscaping, including walkways, roads, and parking areas were not inspected.

The canyon next to the Museum of Man and small patches of dirt along the south and west sides of the Alcazar Garden parking lot were closely inspected (Photographs 3 and 4). Visibility in this area varied considerably. Ground visibility along the south edge of the parking lot averages 60 percent. Ground visibility in the canyon varied between 5 percent in grassy areas to 90 percent in trails, some slopes, and cleared areas around archery targets and at the archery range entrance. The slope next to the Cabrillo Bridge was mostly covered with non-native grasses that reduced ground cover to about 15 percent. The numerous rodent back dirt piles were closely inspected for evidence of cultural material.

Ground visibility on the slope west of Pan American Road West and the Mall averaged below 20 percent because of leaf and mulch cover (Photograph 5). There were some areas of bare dirt that were closely inspected. Some areas on the north, south, and east sides of the Organ Pavilion parking lot had sufficiently good ground visibility, between 50 and 90 percent, to be inspected (Photograph 6). The portion of the project on El Prado from the Museum of Man to the Plaza de Panama and the Plaza de Panama was only cursorily surveyed because it is completely covered by hardscaping, roads, and landscaping, and have been heavily impacted in the past by construction of

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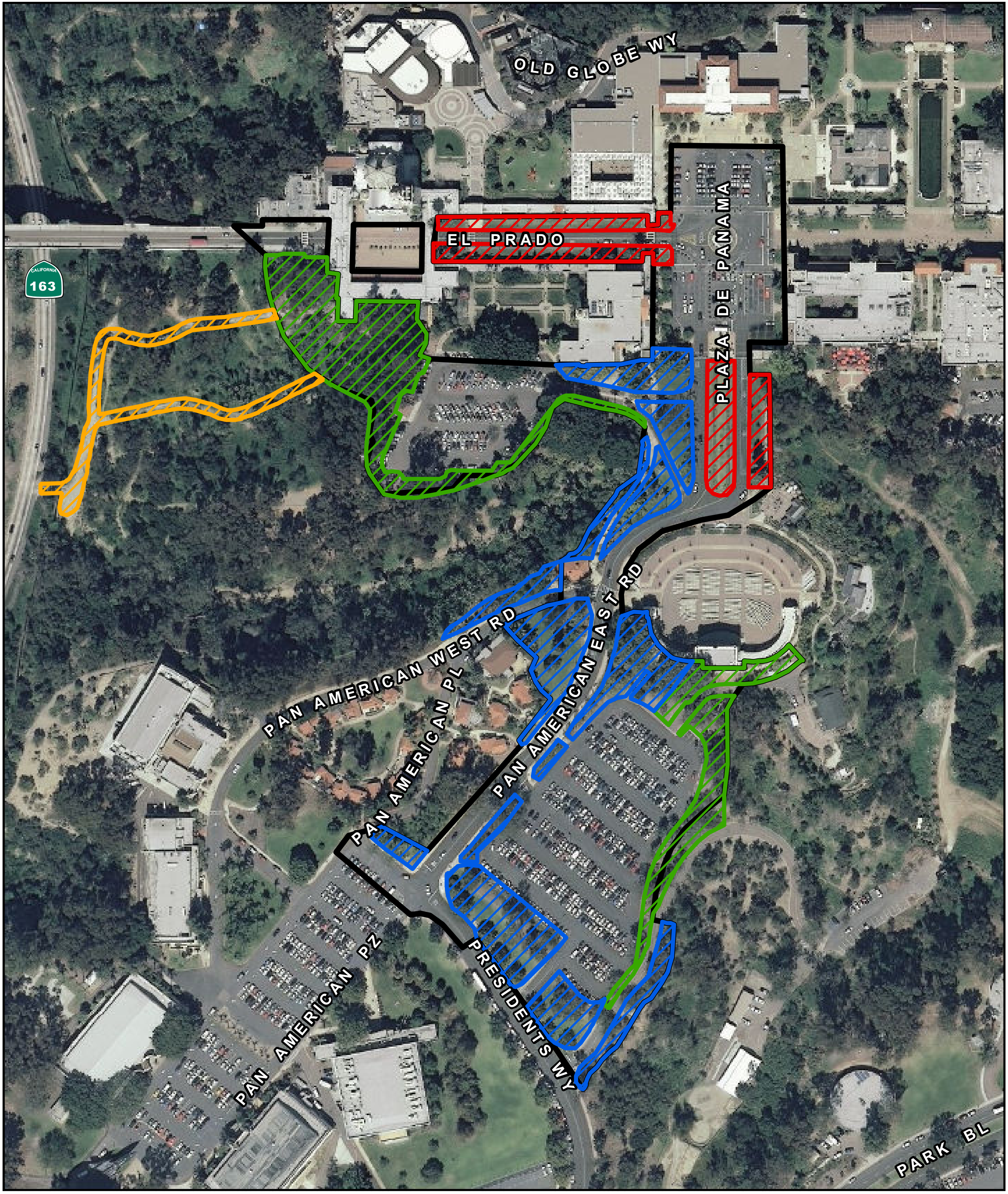

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▭ Area of Potential Disturbance

▨ Inspected Where Sparse Vegetation Allowed View of the Ground

▨ Inspected Using 12 meter or Less Transect Interval

▨ Cursory Inspection of Flower Beds

▨ Temporary Impact Area

FIGURE 5a

Level of Survey Coverage

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▨ Perimeter, Roads and Bare Areas Inspected

FIGURE 5b

Level of Survey Coverage at the Fill Disposal Site at the Arizona Street Landfill

PHOTOGRAPH 1
Typical Landscaping in Less Formally Planted Locations of Project Area

PHOTOGRAPH 2
Hardscaping and Landscaping on Southwest Side of the Mall/Presidents Way

PHOTOGRAPH 3
Looking North in Canyon South and West of
Museum of Man at Proposed Location of Bridge

PHOTOGRAPH 4
Walkway and Bare Areas on South Side
of Alcazar Garden Parking Lot

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PHOTOGRAPH 5
View of Slope West of the Mall Showing Heavy Leaf Cover

PHOTOGRAPH 6
Open Areas on East Side of Organ Pavilion Parking Lot

El Prado and buildings. Also, minimal work is proposed in the landscaped areas. In this area planters were spot-checked where there was bare dirt. The paved parking lots behind the Alcazar Garden and the Organ Pavilion were not surveyed.

An existing dirt road proposed for use as a temporary access road and staging area was surveyed by Harry Price on September 21, 2011 (see Figure 4a). The road and an area one to two meters on each side were surveyed. Ground visibility on the road itself was 100 percent. Ground visibility on the edges averaged about 25 percent, with patches of both 100 percent visibility and areas of less than 10 percent visibility. The southern leg of the road runs along a drainage and has been heavily impacted by installation of a sewer line. This leg of the road averages 10–12 feet wide and is heavily compacted (Photograph 7). The staging area, located at the bottom of the canyon adjacent to SR-163, has been impacted by some cuts along its west side and fill along its east side. Ground visibility in this area averaged 100 percent (Photograph 8). The northern leg of the road is much narrower, averaging 6–8 feet wide, and is much less heavily used. The areas next to this leg vary in ground visibility. Along the western half weeds have reduced ground visibility to 40–50 percent. Closer to the Museum of Man, the road has been much more heavily used in association with the archery range and visibility along the edge averages 60–80 percent. The road is also wider in this area, averaging 8–10 feet wide.

A field check of the proposed fill disposal sites at the Arizona Street Landfill site was conducted by Harry Price on January 5, 2012 to confirm the extent of disturbance to the areas. The Arizona Street Landfill site is on the East Mesa, east of Florida Street, west of Pershing Drive, and south of Upas Street (see Figures 4b and 5b). It is composed of three areas; the largest area to the south and two smaller sites to the north, closer to Upas and east of the ball fields. The Arizona Street Landfill was opened by the City of San Diego in 1952 and closed in 1974. Fill operations began in the northeast, close to Upas Street, and moved south to Florida Canyon. After the landfill was closed, the refuse was covered by dirt to varying thicknesses.

The southern site, referred to as the Arizona Street Landfill site, is on the west side of the main landfill area, and was originally the west side of a large southwest-trending canyon network that emptied into Florida Canyon. Fill depths range from a maximum of approximately 100 feet thick at the southwest end of the site, next to Florida Canyon, to possibly in the range of 20 feet at the north end. This site is currently unused, except for a few hiking/bicycling trails that cross it. Vegetation consists mostly of non-native grasses and weeds, with a few scattered exotic trees (Photographs 9 and 10). Dirt roads run along the western and eastern edges of the site, which provide a clear view of the surface soils. Visible soil consists mainly of light tan to yellow-tan sandy soil with numerous cobbles, pebbles, asphalt, and concrete chunks imbedded in the soil. The entire southern site has been heavily impacted with no original ground surfaces remaining.

PHOTOGRAPH 7
Looking West along Southern Leg of Dirt Access Road

PHOTOGRAPH 8
Looking North at Proposed Staging Area

PHOTOGRAPH 9
Looking North at West Side of Main Fill
Disposal Site at Arizona Street Landfill

PHOTOGRAPH 10
Looking South along East Side of Main
Fill Disposal Site at Arizona Street Landfill

The two northern sites are in the older section of the landfill opened in the early 1950s, in what was originally a small southerly tending tributary canyon. The northernmost site, referred to in this report as the Casting Pond site, slopes gently to the east towards a steeper slope approximately 30 feet to the east. To the west is a street and parking lot for the archery range and ball fields also located to the west. At one time in the past a shallow concrete pond, used for fly-casting practice, occupied part of the slope, but no evidence of the pond remains. The Casting Pond site is currently vacant except for two sand volleyball courts along the west edge. Vegetation consists mainly of weeds and non-native grasses with patches of bare dirt and mulch (Photograph 11). The east side of the Casting Pond site is obviously fill, indicated by the abrupt slope just to the east of the area boundary. Visible soil is a combination of light tan to yellow-tan sandy soil with some cobbles, pebbles, and the occasional concrete chunk and a brown soil with some organic material from mulch. How much fill is present on the west edge is difficult to determine, but the entire site has been heavily impacted by the landfill operations and no original ground surfaces exist.

The southern of the two northern sites, referred to as the Archery Range site, is currently occupied by an archery range with nine butts arranged along the northern end of the field. A berm approximately 15 feet high separates the archery range from the Casting Pond site immediately to the north. To the west is a parking lot and to the east is the Frisbee golf course. At the south end of the Archery Range site is an east-west dirt road and south of that an open field that extends south to the maintenance yard and nursery. The vast majority of the site is graded flat, with steep slope immediately on the east edge. The range itself is mostly bare dirt with patches of mown grasses and weeds (Photograph 12). The berm has eucalyptus trees growing on it. The area south of the dirt road is covered by low weeds and non-native grasses. Visible soil consists primarily of light tan to yellow-tan sandy soil with numerous cobbles, pebbles, asphalt, and concrete chunks imbedded in the soil. There are patches of brown soil with fewer rocks along the east edge, and reddish soil on the north end of the range, between the targets and the berm. The berm is light tan to yellow-tan sandy soil with cobbles and pebbles. Exactly how much fill has been deposited on the Archery Range site is difficult to determine, but the entire site has been heavily impacted by the landfill operations and no original ground surfaces exist.

All three areas were checked to verify the information given RECON that all areas of the proposed fill disposal sites had been impacted by the Arizona Street Landfill during its operation. The field check also verified that all landfill areas in the proposed fill disposal sites were capped and there was no surface evidence of the landfill trash. No evidence of pre-landfill undisturbed ground was observed during the field check. All areas had obviously been graded, scraped, or otherwise heavily altered. No material that could be associated with original landfill trash was seen during the survey.

PHOTOGRAPH 11
Looking North Across Casting Pond Site of Fill Disposal Site

PHOTOGRAPH 12
Looking North Across Archery Range to Berm
at Archery Range Site of Fill Disposal Site

RECON

In addition to the archaeological resources evaluated in this report, a small historic period structure of red brick and concrete was found on the slope approximately 22 meters south of the Cabrillo Bridge and 16 meters west of the Museum of Man complex. Because this structure is part of the built environment, information about the structure was provided to Knapp & VerPlanck Preservation Architects, the analysts conducting an assessment of the built environment. It is not analyzed as part of this report.

4.3 Test Excavation

The testing program was conducted on June 2 and 8, 2010 for 6095-HJP-1 and 6095-HJP-2, and on August 29, 2011 for CA-SDI-15826 by RECON archaeologists Carmen Zepeda–Herman and Harry Price, field assistants Tomas V. Santos, Juan J. Macias-Lopez, and Julio C. Rodriguez, and Native American observers Gabe Kitchen and Clinton Linton.

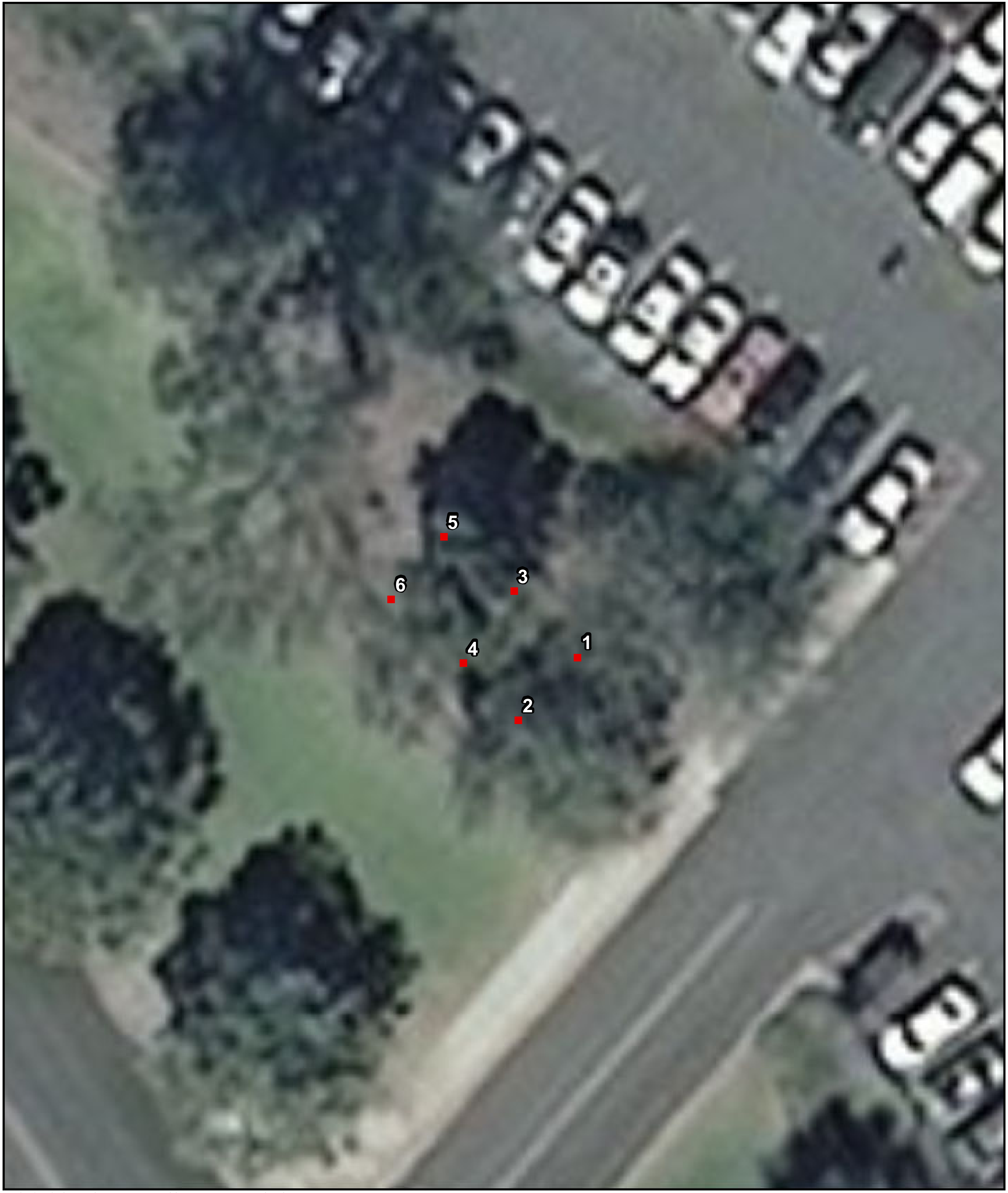
Six shovel test pits (STPs) each were excavated in 6095-HJP-1 and 6095-HJP-2 to define the area of deposits and evaluate their integrity. The locations of the STPs were based on surface evidence of shell. Each STP measured 30-by-50 centimeters (cm) and was hand dug in 10-cm increments with shovels and trowels, and heavier tools as soil conditions dictated. Excavation of the STPs was continued to a minimum of 40 cm below the surface or until culturally sterile subsoil was reached. The soil from the shovel test pits was screened through one-eighth-inch wire mesh in order to recover all artifacts and ecofacts. Items collected were placed in bags with proper provenience information for later processing in the laboratory. The location of each STP was recorded using a sub-meter global positioning system (GPS) unit.

STP information was recorded on standard RECON STP forms. Soil types, disturbance, and artifacts/ecofacts present by 10-cm-deep levels were maintained on the STP forms. Modern intrusive materials were noted on the STP forms, but were not collected. Photographs were taken of the floor and one sidewall of each STP.

At HJP-1 the STPs were arranged in two lines of three STPs each, the lines oriented at 270 degrees. The two lines were approximately four meters apart. The individual STPs in each line were spaced four meters apart. Figure 6 shows the locations of the STPs and their relation to the parking lot and road.

At HJP-2 the STPs were arranged in two lines, one near the top of the slope with four STPs (1-4), and the second near the bottom of the slope with only two STPs (5-6). The majority of the STPs were placed upslope because that area appeared to be less disturbed by the cutting of the slope. Figure 7 shows the locations of the STPs and their relation to the Organ Pavilion and the service road.

Image Source: Copyright 2010 AerialsExpress, All Rights Reserved (flown Feb 2010)



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🟥 STP Locations

FIGURE 6

Locations of STPs at 6095-HJP-1

Image Source: Copyright 2010 AerialsExpress, All Rights Reserved (flown Feb 2010)

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🟥 STP Locations

FIGURE 7

Locations of STPs at 6095-HJP-2

Eight STPs were excavated in the location of CA-SDI-15826. The STPs were located on either side of the utilities line, four on the north and four on the south. During the original excavation of the trench the upper half was cut back at an angle for safety reasons, making it approximately 15 feet wide at the top (7.5 feet on either side of centerline). Because of this the STPs were placed from 8.5 to 12 feet distant from the centerline of the utility line to avoid the disturbed trench area. The STPs were also placed in the eastern two-thirds of the pipeline route as CA-SDI-15826 was mapped closer to the sidewalk than to the Mall. Confidential Attachment 2 shows the locations of the STPs. The original deposit was encountered between 31 and 47 cm below surface, so all STPs were excavated down to 40 cm, which was sufficient to locate any extension of the original deposit.

5.0 Results

5.1 Record Search

Record searches of the databases at the SCIC were conducted to check for previously recorded historic or prehistoric resources on and adjacent to the property (see Confidential Attachment 1). The project is within the Balboa Park Historic Landmark District, site number P-37-028239. The Balboa Park Historic Landmark District is on the National Register of Historic Places (designation number 77000331), California Register of Historic Resources, and the City of San Diego Register of Historical Resources.

Three previously recorded archaeological resources are present within the project area, CA-SDI-15826, CA-SDI-15827 and P-37-019074. The three resources were found during monitoring conducted by Brian F. Smith and Associates (BFSA) for the City of San Diego Sewer and Water Group 619 project. CA-SDI-15826 is a historic trash deposit found in a utility trench south of the House of Hospitality and north of the Japanese Garden, on the east side of the Mall. This small deposit, found by BFSA in 2000, was described as including bottle glass, ceramics, building material, shellfish, and animal bone. The deposit was reported as occurring between 31 and 47 cm below surface. A date range of 1880–1920 was hypothesized. BFSA did collect and curate the historic material uncovered in the trench. A determination of significance was not discussed in the site form.

CA-SDI-15827 is a second recorded historic trash deposit found in a utility trench on Presidents Way, where it forms the north end of Pan American Plaza. This deposit is described as including bottle glass, stoneware bottle fragments, ceramic tableware fragments, window glass, and shell. The original deposit was also reported as occurring between 31 and 47 cm below surface. This small deposit was also found by BFSA in 2000, and is recorded as potentially dating between 1880 and 1920. BFSA did collect and curate the historic material uncovered in the trench but a determination of significance was not discussed in the site form.

P-37-019074 consists of a single ceramic bowl fragment found in a trench in El Prado, approximately 50 meters west of the Museum of Man. It was also recorded by BSFA in 2000.

5.2 Survey Results

The field survey found two small shell scatters within the project boundary (Confidential Attachment 3). No cultural material was found at the proposed fill disposal sites at the Arizona Street Landfill on East Mesa or the temporary access road and staging area adjacent to SR-163. The site 6095-HJP-1 is a scatter of approximately 25 small *Chione* sp. and *Pectin* sp. fragments in a dirt area around a set of irrigation valve boxes in the landscaped area between the south end of the Organ Pavilion parking lot and Presidents Way. The area measures approximately 6 meters by 4 meters. No artifacts were found within the deposit. Most of the area outside the measured area is covered with mulch or grass so ground surface cannot be inspected. There is no discernible soil discoloration in the area of the shell. This area has been impacted in the past by the construction of the parking lot, road, and landscaping, and most recently, installation of irrigation system control boxes. The second shell scatter, 6095-HJP-2, is a scatter of approximately 20 fragments of *Chione* sp. The shell are scattered on a small cut slope immediately south of the Organ Pavilion, between a sidewalk and a service road in an area measuring 20 meters east-west by 5 meters north-south. No prehistoric artifacts are associated with the shell. There are a few glass fragments in the shell scatter area but since there are glass fragments and other trash scattered throughout the area it cannot be determined if the glass is actually associated with the shell. There is no discernible soil discoloration in the area of the shell. The cut slope appears to have been created when the service road to the south was built. The area has also been impacted by the construction of the sidewalk and more recently the installation of the irrigation valve boxes next to the sidewalk.

California Department of Parks and Recreation Primary Site Forms have been filled out for 6095-HJP-1, 6095-HJP-2, and the Arizona Street Landfill and will be submitted to the SCIC (Confidential Attachment 4).

A small historic period structure of red brick and concrete was found on the slope approximately 22 meters south of the Cabrillo Bridge and 16 meters west of the Museum of Man complex. The structure is circular, measuring approximately 40 inches in diameter, and is open-topped. The bricks are laid in alternate rows of headers and stretchers, with the two top rows being headers. The top is capped with concrete. The inside is 36 inches deep. A 2½-inch galvanized pipe extends up out of the center to within a few inches of the rim. A 4½-inch cast iron pipe extends out of the slope into the west wall of the structure. At the end of the pipe is a 90 degree iron elbow, pointed down. This empties into a second vertical 4½-inch pipe imbedded in the west wall. At the top of the vertical pipe is a funnel-shaped sheet metal collar, apparently to help catch water from the horizontal pipe. A capped 2-inch iron pipe extends vertically out of the ground on the outside of the west wall. This structure is evaluated in the Historic Structure report dealing with the built environment of the park prepared by VerPlanck Preservation Architects. The three previously recorded cultural resources within the project area, CA-SDI-15826, CA-SDI-15827, and P-37-019074, were not relocated; all are subsurface historic trash deposits found during trenching for water lines and as such have no surface component to relocate.

5.3 Test Excavation Results

5.3.1 6059-HJP-1

As noted above, six STPs were excavated at 6059-HJP-1. Recent historic material was found down to 40 cm in all six STPs. Four soil types were encountered in the STPs, with shell and recent historic material found in all four. The most common soil was a yellow tan sandy soil, with rounded pebbles and small cobbles, called Type 2 in Table 1. Material found in this soil included cement fragments, plastic, glass fragments, plaster, asphalt, gravel, and red brick fragments (Table 2). This soil was encountered between 10 and 30 cm below surface in STPs 1-4 and 6, and between 30 and 40 in STP 5.

Some of the shell recovered from soil Type 2 appeared to be fossilized so several samples were taken to the San Diego Natural History Museum for analysis. Fossils *Turritella* sp. and *Chione* sp. were identified in the samples taken, which are species characteristic of the Broadway Faunal Horizon. The Broadway Faunal Horizon is associated with deposits from the Late Pleistocene, called the Bay Point Formation, that are found in downtown San Diego. Also, the color of the sandy matrix is in the range of color typical for Bay Point formation sandstone. The formation underlying the area of the Organ Pavilion, the Linda Vista Formation, is reddish to yellowish in color (Deméré and Walsh 1994).The fact that soil, and fossils, from a formation found in downtown San Diego are found in the STPs at HJP-1 indicate that Type 2 soil is fill brought onto the site in the past. It also indicates that soil Types 1, 3, and 4, which occur above Type 2, are also fill soils deposited after the Type 2 soil had been deposited. That all the soils are redeposited and not undisturbed soils is corroborated by the presence of recent building materials and trash throughout all levels of the STPs. This soil information leads to the determination that HJP-1 is a highly disturbed secondary deposit of fill dirt including shell, much of which is from off-site, and is not an in situ prehistoric or historic deposit.

TABLE 1
6095-HJP-1: DISTRIBUTION OF SOIL TYPES IN STPS

	Depth (cm)			
STPs	0 to 10	10 to 20	20 to 30	30 to 40
1	1*	1	2	2
2	3*	3	2	2
3	3*	2	2	2
4	Mulch	2	2	2
5	3*	3	4	2
6	3*	2	2	2

*First 3–4 cm are mulch.
Type 1 - Red-brown sandy soil, moderately compact
Type 2 - Yellow-tan sandy soil, cobbles and pebbles, moderately compact
Type 3 - Brown sandy silt, moderately compact
Type 4 - Orange-tan sandy soil, pebbles and cobbles, moderately compact

TABLE 2
6095-HJP-1: DISTRIBUTION OF SHELL AND RECENT HISTORIC ARTIFACTS

	Depth (cm)			
STPs	0-10	10 to 20	20-30	30-40
1	Shell, cement fragments, plastic, small glass fragments	Shell, cement fragments, plastic, small glass fragments	Shell, cement fragments, plastic, small glass fragments	Shell, cement fragments, plastic, small glass fragments
2	Shell, cement fragments, plaster, asphalt, gravel	Shell, cement fragments, plaster, asphalt, gravel	Shell, cement fragments, plaster, asphalt, gravel	No shell, cement fragments, plaster, asphalt, gravel, brick fragment
3	Shell, cement fragments, gravel, small glass fragments, plaster	Shell, cement fragments, gravel, small glass fragments, plaster	No shell, cement fragments, gravel, small glass fragments, plaster	No shell, cement fragments, gravel, small glass fragments, plaster
4	Shell, cement fragments, gravel, small glass fragments, plaster	Shell, cement fragments, gravel, small glass fragments, plaster	Shell, cement fragments, gravel, small glass fragments, plaster, brick fragment	Shell, cement fragments, gravel, small glass fragments, plaster
5	No shell, plaster, gravel, small glass fragments	No shell, plaster, gravel, small glass fragments	No shell, plaster, gravel, small glass fragments, brick fragment, rusted metal spike	No shell, plaster, gravel, small glass fragments, wood fragment
6	Shell, asphalt fragments, gravel, plaster	Shell, asphalt fragments, gravel, plaster	Shell, asphalt fragments, gravel, plaster	Shell, asphalt fragments, gravel, plaster

NOTE: Shell in all STPs is a mixture of fossil and non-fossil marine shell.

5.3.2 6059-HJP-2

As noted above, six STPs were excavated at 6059-HJP-2. Recent historic material was found down to 40 cm in STPs 1-5 and down to 30 cm in STP 6. Five soil types were encountered in the STPs, with shell and recent historic material found in all five. Material found included cement fragments, plastic, glass fragments, plaster, asphalt, gravel, and red brick fragments (Table 3). In STPs 1–5 recent historic material was found down to 40 cm, but shell was found down to 40 cm only in STPs 1, 4, and 6. Only in STP 6 was shell found in a level that there was no recent historic material. In STPs 3 and 5 shell was only found down to 20 cm, while recent historic material was found down to 40 cm.

TABLE 3
6095-HJP-2: DISTRIBUTION OF SHELL AND RECENT HISTORIC ARTIFACTS

	Depth (cm)			
STPs	0–10	10–20	20–30	30–40
1	Shell fragments, concrete fragments, wood chips	Shell fragments, concrete fragments, wood chips, plastic fragment	Shell fragments, concrete fragments, wood chips	Shell fragments, concrete fragments, wood chip, glass fragment
2	Shell fragments, small concrete and asphalt fragments, gravel	Shell fragments, small concrete and asphalt fragments, gravel, ceramic fragment	Shell fragments, small concrete and asphalt fragments, gravel	Small concrete and asphalt fragments, gravel
3	Shell fragments, small concrete and asphalt fragments, plaster, gravel, glass fragments	Shell fragments, small concrete and asphalt fragments, plaster, gravel, glass fragments	No shell, small concrete and asphalt fragments, plaster, gravel, glass fragments	No shell, small concrete and asphalt fragments, plaster, gravel, glass fragments
4	Small amount of shell, glass fragments, asphalt fragments	Small amount of shell, glass fragments, asphalt fragments	Small amount of shell, glass fragments, asphalt fragments	Small amount of shell, glass fragments, asphalt fragments, large chunk cement at 35 cm.
5	Small amount of shell, glass fragments, asphalt fragments, plaster, gravel	No shell, glass fragments, asphalt fragments, plaster, gravel, sewer pipe fragment	No shell, glass fragments, asphalt fragments, plaster, gravel	No shell, gravel, plaster, brick fragments, metal spike/rod, wood fragment
6	Small amount of shell, asphalt, brick, and cement fragments	Small amount of shell, asphalt, brick, and cement fragments	Small amount of shell, asphalt, brick, and cement fragments	Small amount of shell,

The soil profile was not consistent either vertically or horizontally across the area of HJP-2 (Table 4). Type 1 soil, tan sandy silt with pebbles and small cobbles, was the top soil in STPs 1–3 and 6, began at 15 cm in STP 4, and was not present at all in STP 5.

Soil Type 4, a dark gray-brown sandy loam with pebbles and small cobbles, was only present in STPs 2–3, below 10 cm. Soil Types 3 and 3a, basically the same brown sandy silt with pebbles and small cobbles with a difference in darkness shade, were found in STPs 1 and 3–6 at different depths. In STP 5 it was the top soil, in STP 6 it began at 15 cm, in STP 4 it began at 22 cm, and in STP 1 it began at 39 cm. Soil Type 2 was only present in STPs 1 and 3 in the 30–40 cm level. The difference in soil types in the STPs does not appear to be the result of the differences in elevation. Soil Type 2 a red-tan sand silt with pebbles, begins at 32 cm, below Soil Type 4, in STP 3, but is present in patches at 35 cm, below Soil Type 3a, in STP 5 without a layer of Soil Type 4 present. The inconsistency in the soil profile, with sharp demarcation between soil types, indicates the different soils were dumped or pushed onto the site, probably at different times.

TABLE 4
6095-HJP-2: TABLE DISTRIBUTION OF SOIL TYPES IN STPs

	Depth (cm)			
STPs	0 to 10	10 to 20	20 to 30	30 to 40
1	1	1	1	1, at 35 cm begin 2, at 39 cm begin 3
2	1	At 12 cm begin 4	4	4
3	1	4	4	4, at 32 cm begin 2
4	Mulch to 4 cm, at 4 cm begin 5	5, at 15 cm begin 1	1, at 22 cm begin 3	3
5	Mulch to 4 cm, at 4 cm begin 3a	3a	3a	3a, patches of 2 at 35 cm
6	Mulch to 4 cm, at 4 cm begin 1	1, at 15 cm begin 3a	3a	3a

Type 1 - Tan sandy silt with pebbles and small cobbles, moderately compact
Type 2 - Red-tan sand silt with pebbles, moderately compact
Type 3 - Medium brown sandy silt with pebbles and small cobbles moderately compact
Type 3a - Medium brown sandy silt with pebbles and cobbles that grades to a dark brown with depth
Type 4 - Dark gray-brown sandy loam with pebbles and small cobbles, moderately compact
Type 5 - Dark gray brown sandy silt

The presence of recent historic material in all levels that contained shell, and in some levels that did not contain shell combined with the lack of uniformity in soil types vertically and horizontally indicate that the shell at HJP-2 is not an intact cultural deposit, but a highly disturbed area with possible secondary deposition of soil. The area has been disturbed several times, including during the initial construction of the Organ Pavilion, construction of the sidewalk immediately to the north of the shell, and the cutting of the slope on which the shell was found. The slope was probably cut for construction of the access road at the slopes base, which occurred during the construction of the new Japanese Garden.

5.3.3 CA-SDI-15826

Eight STPs were excavated at CA-SDI-15826, four on each side of the staked utility trench location. No concentration of historic artifacts was found that correspond to the materials described as comprising CA-SDI-15826 (Table 5). The material found during the 2000 BFSA monitoring included a preponderance of household items, including tableware (12) and bottle fragments (19), and very little construction debris (5).

TABLE 5
CA-SDI-15826: DISTRIBUTION OF SHELL AND RECENT HISTORIC ARTIFACTS

	Depth (cm)			
STPs	0–10	10–20	20–30	30–40
1	wood chips, concrete chunks <2cm	wood chips, concrete chunks <2cm	wood chips, concrete chunks <2cm	wood chips
2	1 glass fragment	nothing	nothing	nothing
3	nothing	nothing	nothing	Wood chips, 1 white ware fragment
4	nothing	1 glass fragment, 1 badly rusted nail	2 clear glass fragments, 2 terra cotta pot fragments, asphalt chunks <3 cm	concrete chunks <2cm,1 terra cotta pot fragment, mortar fragments
5	nothing	nothing	nothing	1 clear glass bottle fragment
6	nothing	nothing	nothing	nothing
7	nothing	1 terra cotta pot fragment	nothing	nothing
8	nothing	1 badly rusted metal spike or rod	nothing	nothing

The highest recovery from the current testing came from STP4, which was approximately 8.5 feet south of the trench centerline and 1.5 feet west of the sidewalk. One glass fragment and a badly rusted nail were recovered from the 10–20 cm level; 2 clear glass fragments, 2 terra cotta pot fragments and a small amount of asphalt chunks were recovered from 20–30 cm; and 1 terra cotta pot fragment and small concrete and mortar fragments were recovered from 30–40 cm. The terra cotta pot fragments showed no weathering and the glass fragments showed no oxidation, at least some of which would be expected from a deposit buried in a damp area for approximately 100 years.

Unlike the materials described for the recorded deposit, the material encountered in STP 4 during this test was predominantly small chunks of building material such as asphalt and concrete. Only the two clear glass fragments were possibly from household items, while the three fragments of a terra cotta pot could be either gardening/

horticultural/landscaping related or household related. No tableware or identifiable bottle fragments similar to those found in 2000 were recovered from the STP.

The material found during this testing at CA-SDI-15826 is more indicative of the type of material commonly encountered in a disturbed context, such as that found at HJP-1 and HJP-2. The area on the east side of the Mall, around CA-SDI-15826,was first disturbed by construction of the San Joaquin Valley building for the 1915 Exposition. This building was demolished prior to the 1935 California Pacific International Exposition and the area was heavily landscaped, further disturbing the area. Subsequently, there has been frequent landscaping and trenching for subsurface utilities. These ground-disturbing activities have contributed to the mixing of surface trash, such as glass fragments and bits of metal, into the soil to various depths.

In addition to the difference in makeup of the material recovered from the original deposit, the amount of material that was currently recovered is not sufficient to indicate the presence of a significant historical resource. The seven artifacts recovered from STP 4, the STP with the highest recovery, do not represent the types of materials, nor the constitute density of artifacts sufficient to indicate a potentially significant intact historic trash deposit, This recovery level is more indicative of a disturbed urban area where trash is common and has been churned into the soil. Recovery in the remainder of the STPs was even smaller than STP 4, with fragments of building material in STP 1, and one item each in STPs 2, 3, 5, 7, and 8 (see Table 5).This recovery level is also typical of disturbed areas in an urban location.

In addition to the disturbed urban artifacts, soils resulting from the test also indicate the absence of a CEQA historical resource. The most common soil present in STPs 1–8 is a brown sandy loam with slight clay content, loosely to moderately compact (Table 6). This soil, labeled Type 1, was found in all the STPs for the first 10 cm, and in STPs 1 and 3–6 to 40 cm. Below 10 cm, Type 1 soil was mixed with coarse sandstone chunks varying in color from red to light orange. This sandstone matches the color and composition of the Lindavista Formation, which underlies the topsoil horizon in Balboa Park east of the Alcazar parking lot (Deméré 1994, Geocon 2011). The presence of sandstone chunks mixed with the soil indicates the area has been disturbed in the past. The disturbance may be the importation of fill from another area that had been excavated down into the Lindavista Formation. It could also indicate a previous excavation in the area of CA-SDI-15826, possibly the trenching of 2000.The current testing of the area immediately around CA-SDI-15826 indicates there is no continuation of the trash deposit into areas not uncovered in 2000.The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

TABLE 6
CA-SDI-15826: DISTRIBUTION OF SOIL TYPES IN STPs

	Depth (cm)			
STPs	0–10	10–20	20–30	30–40
1	1	1	1	1
2	1	1, mixed with small red-orange sandstone chunks	1, mixed with small red-orange sandstone	2
3	1	1 with small cobles and pebbles	1 with small cobles and pebbles	1 with small cobles and pebbles
4	1	1, mixed with small red-orange sandstone and yellow-green siltstone chunks	1, mixed with small red-orange sandstone and yellow-green siltstone chunks	1, mixed with small red-orange sandstone and yellow-green siltstone chunks
5	1 with small cobles and pebbles	1, mixed with small orange sandstone chunks	1, mixed with small orange sandstone chunks	1, mixed with small orange sandstone chunks
6	1	1, mixed with small orange sandstone chunks	1, mixed with small orange sandstone chunks	1, mixed with small orange sandstone chunks
7	1	3	3	3
8	1	1	3	4

Type 1 - brown sandy loam with slight clay content, loosely to moderately compact
Type 2 - red-brown sandy soil with small cobbles
Type 3 - red soil with high sand content, occasional small grey clay patches
Type 4 - Yellow-tan sandy clay with cobbles

6.0 Resource Evaluation and Discussion

6.1 Resource Evaluation Criteria

According to CEQA, a significant impact is a project effect that may cause a substantial adverse change in the significance of a historical resource. Adverse changes include physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings resulting in the impairment of the resource's significance (Sec. 15064.5.4b, CEQA guidelines). Mitigation measures are required for adverse effects on significant historical resources (Sec. 21083.2 CEQA Code).

State criteria are those listed in CEQA and used to determine whether a historical resource qualifies for the California Register of Historic Resources (CRHR). CEQA also recognizes resources listed in a local historic register or deemed significant in a historical resource survey. Some resources that do not meet these criteria may still be historically significant for the purposes of CEQA.

A resource may be listed in the CRHR, if it is significant at the federal, state, or local level under one of more of the four criteria listed below.

1. Are associated with events that have made a significant contribution to the broad patterns local or regional history and cultural heritage of California or the United States.

2. Are associated with the lives of persons important to the nation or to California's past.

3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.

4. Has yielded, or may be likely to yield, information important in prehistory or history of the state or nation.

Since resources that are not listed or determined eligible for the state or local registers may still be historically significant, their significance must be determined if they are affected by a project.

The City of San Diego has developed a set of guidelines that ensure compliance with state and federal guidelines for the management of historical resources. These guidelines are stated in the City of San Diego's Historic Resources Regulations (HRR). The HRR has been developed to implement applicable local, state, and federal policies and mandates. Included in these are the City's General Plan, CEQA of 1970, and Section 106 of the National Historic Preservation Act of 1966. The intent of the City's guidelines is to ensure consistency in the identification, evaluation, preservation/mitigation, and development of the City's historical resources.

The criteria used by the City of San Diego determine significance for historical resources reflect a more local perspective of historical, architectural, and cultural importance for inclusion on the City's Historical Resources Register. The resource can meet one or more of the following criteria:

a. Exemplifies or reflects special elements of the City's, a community's, or a neighborhood's historical, archaeological, cultural, social, economic, political, aesthetic, engineering, landscaping, or agricultural development.

b. Is identified with persons or events significant in local, state, or national history.

c. Embodies distinctive characteristics of a style, type, period, or method of construction or is a valuable example of the use of indigenous materials or crafts.

d. Is representative of the notable work of a master builder, designer, architect, engineer, landscape architect, interior designer, artist, or craftsman.

e. Is listed or has been determined eligible by National Park Service for listing on the National Register of Historic Places (NRHP) or is listed or has been determined eligible by the State Historical Preservation Office for listing on the State Register of Historic Resources.

f. Is a finite group of resources related to one another in a clearly distinguishable way or is a geographically definable area or neighborhood containing improvements which have a special character, historical interest, or aesthetic value, or which represent one or more architectural periods or styles in the history and development of the City.

Under City of San Diego heritage resource guidelines, there are heritage resource types which are typically considered insignificant for planning purposes. These are isolates, sparse lithic scatters, isolated bedrock milling features, shellfish processing stations, and sites and buildings less than 45 years old (City of San Diego 2004).

Unless demonstrated otherwise, archaeological sites with only a surface component are not typically considered significant. The determination of an archaeological site’s significance depends on a number of factors specific to that site, including size, type, integrity; presence or absence of a subsurface deposit, soil stratigraphy, features, diagnostic artifacts, or datable material; artifact/ecofact density; assemblage complexity; cultural affiliation; association with an important person or event; and ethnic importance. Under City guidelines, all archaeological sites are considered potentially significant (City of San Diego 2004).

For a site to have ethnic significance it must be associated with a burial or cemetery; religious, social, or traditional activities of a discrete ethnic population; an important person or event as defined within a discrete ethnic population; or the mythology of a discrete ethnic population (City of San Diego 2004).

When a cultural resource has been identified on a project and will be impacted, impacts to that resource must be mitigated prior to the project implementation. The optimum alternative for mitigation is avoidance or preservation in place. If this is not feasible, the alternative is to implement a research design and data recovery program. This program is subject to CEQA standards (Section 21083.2) and approval from the City Manager.

6.2 Newly Recorded Resource Evaluation

Two possible prehistoric cultural deposits were found during the field survey. Both are small shell scatters with no obvious associated artifacts. Below are CEQA and City of San Diego criteria evaluation of the two shell scatters.

No evidence of the Arizona Street Landfill was found during the field reconnaissance of the proposed fill disposal sites. The Arizona Street Landfill was opened in 1952; thus, the older portions of the landfill are over 45 years old, and therefore, an evaluation of historic significance is required in accordance with CEQA and the City of San Diego guidelines.

6.2.1 CEQA Evaluation

1. Is either resource associated with events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage?

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits, but highly disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. Because of this, neither HJP-1 nor HJP-2 qualify under this criterion.

The active period of the Arizona Street Landfill was between 1952 and 1974, a total of 22 years. Because the length of operation was so long the landfill cannot be associated with any specific events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage. The Arizona Street Landfill is not eligible under this criterion.

2. Is the resource associated with the lives of persons important in California's past?

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits, but highly disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. Because of this, neither HJP-1 nor HJP-2 contain enough information to associate them with the lives of important persons in California history. They do not qualify under this criterion.

Being a City landfill, the Arizona Street Landfill was not associated with a person or persons important in San Diego or California's past. Trash at the landfill came from thousands of people living in a wide area of San Diego. There is no way to associate trash at a City landfill to a specific person or persons. The Arizona Street Landfill is not eligible under this criterion.

3. Does the resource embody the distinctive characteristics of a type, period, region, or method of construction? Does it represent the work of an important creative

individual, or does it have high artistic values? Does it represent a significant and distinguishable entity whose components may lack individual distinction?

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits, but highly disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. Because of this, neither HJP-1 nor HJP-2 qualify under this criterion.

The Arizona Street Landfill is not a structure or other built object, so it cannot represent the work of an important creative individual, or have high artistic values. It cannot represent any facet of construction as it is not a built object. It is trash dumped randomly over many years. The Arizona Street Landfill is not eligible under this criterion.

4. Has the resource yielded, or will it be likely to yield, information important to prehistory or history?

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits but disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. Because of this, neither HJP-1 nor HJP-2 can yield information important to prehistory or history.

In certain cases trash dumps can yield information important to history. In some cases there is little written information about a specific time period a dump dates from, and analysis of material from the dump can provide economic, social, or ethnic affiliation information on a family or population. This is most useful when the dump served a limited population, or even better, a single household. Generally speaking, the older an area or settlement is the less written information is available in the archival record. The older the dump is the greater chance there is that data recovered from the dump can provide information not otherwise available.

The Arizona Street Landfill comes from a very well documented period of San Diego history. Newspapers, books, and interviews with people living during the 1950s through the 1970s can provide much more useful information on the economy, ethnic makeup, and consumer patterns than can be obtained from testing of the landfill. Another problem with large dumps is that trash from many neighborhoods of different economic standing and different ethnic backgrounds is mixed together. This is especially true as caterpillar tractors were used to move and compact the trash at this landfill. Because of this, only generalized information with wide ranges can be gathered from such a landfill. This type of information does not positively add to information that can be obtained from written records and interviews. For these reasons, the Arizona Street Landfill is not a potentially significant historical resource under this criterion.

6.2.2 City of San Diego Criteria

a. Exemplifies or reflects special elements of the City's, a community's, or a neighborhood's historical, archaeological, cultural, social, economic, political, aesthetic, engineering, landscaping, or agricultural development.

RECON completed a testing program to determine if the two shell scatters qualify under this criterion. Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits but disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. Because of this, neither HJP-1 nor HJP-2 qualify under this criterion.

In the Arizona Street Landfill trash from many neighborhoods of different economic standing and different ethnic backgrounds is mixed together. Thus, information cannot be obtained that can be associated with a specific neighborhood or community in the City. Because of the jumbled nature of the deposit, only generalized information can be gathered from such a landfill. This type of information will not positively add to our knowledge of historical, archaeological, cultural, social, economic, political, aesthetic, engineering, landscaping, or agricultural development in either a community or the City as a whole. For these reasons, the Arizona Street Landfill is not a potentially significant historical resource under this criterion.

b. Is identified with persons or events significant in local, state, or national history.

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits but disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. Because of this, neither HJP-1 nor HJP-2 contain enough information to associate them with the lives of important persons in local, state, or national history. They do not qualify under this criterion.

Being a City landfill the Arizona Street Landfill was not associated with a person or persons important in San Diego or California's past. Trash at the landfill came from thousands of people living in a wide area of San Diego. There is no way to associate trash at a City landfill to a specific person or persons. The Arizona Street Landfill is not eligible under this criterion.

c. Embodies distinctive characteristics of a style, type, period, or method of construction or is a valuable example of the use of indigenous materials or crafts.

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits but disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. Also, shell scatters would not qualify under this criterion because they are not manmade objects that could embody distinctive characteristics style, type, period, or method of construction.

The Arizona Street Landfill is not a structure or other built object, so it cannot embody distinctive characteristics of a style, type, period, or method of construction. It does not employ indigenous crafts or indigenous materials. It is trash dumped randomly over many years. The Arizona Street Landfill is not eligible under this criterion.

d. Is representative of the notable work of a master builder, designer, architect, engineer, landscape architect, interior designer, artist, or craftsman.

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits, but highly disturbed areas with, especially in the case of HJP-1, deposition of soil from off-site. Also, shell scatters could not qualify under this criterion because they are not manmade objects that are crested by a specific person with a specific design in mind and therefore cannot represent the work of a master.

The Arizona Street Landfill is not a structure or other built object, so it cannot represent the work of an important master builder, designer, architect, engineer, landscape architect, interior designer, artist, or craftsman. The Arizona Street Landfill is not eligible under this criterion.

e. Is listed or has been determined eligible by National Park Service for listing on the NRHP or is listed or has been determined eligible by the State Historical Preservation Office for listing on the State Register of Historic Resources.

The two scatters are not listed nor have been determined eligible listing on the NRHP or the State Register of Historic Resources. Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits but disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. As such they do not qualify under any of the four criteria for eligibility for listing on the NRHP or the California Register of Historic Resources. They do not qualify under this criterion.

The Arizona Street Landfill is not listed and has not been determined eligible listing on the NRHP or the State Register of Historic Resources. The Arizona Street Landfill is not eligible under this criterion.

f. Is a finite group of resources related to one another in a clearly distinguishable way or is a geographically definable area or neighborhood containing improvements which have a special character, historical interest, or aesthetic value, or which represent one or more architectural periods or styles in the history and development of the City.

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits but disturbed areas containing trash. Both areas have been subject to disturbance from construction in the past, and, especially in the case of HJP-1, deposition of soil from off-site. They are not built structures so cannot be part of a geographically definable area or neighborhood and cannot represent architectural styles or periods.

The Arizona Street Landfill is a dump and, therefore, is not part of a finite group of resources related to one another in a clearly distinguishable way. It is not a geographically definable area or neighborhood containing improvements which have a special character, historical interest, or aesthetic value, or which represent one or more architectural periods or styles in the history and development of the City. The Arizona Street Landfill is not eligible under this criterion.

6.3 Previously Recorded Resources

In addition to the two shell scatters found during the survey, there are three previously recorded cultural resources within the project area; historic trash deposits CA-SDI-15826 and CA-SDI-15827, and the isolate P-37-019074.

6.3.1 CEQA Evaluation

1. Is the resource associated with events that have made a significant contribution to the broad patterns of local or regional history and cultural heritage?

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit in the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

2. Is the resource associated with the lives of persons important in California's past?

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit in the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

3. Does the resource embody the distinctive characteristics of a type, period, region, or method of construction? Does it represent the work of an important creative individual, or does it have high artistic values? Does it represent a significant and distinguishable entity whose components may lack individual distinction?

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit in the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

4. Has the resource yielded, or will it be likely to yield, information important to prehistory or history?

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit in the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

6.3.2 City of San Diego Criteria

a. Exemplifies or reflects special elements of the City's, a community's, or a neighborhood's historical, archaeological, cultural, social, economic, political, aesthetic, engineering, landscaping, or agricultural development.

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit in the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

b. Is identified with persons or events significant in local, state, or national history.

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit in the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

c. Embodies distinctive characteristics of a style, type, period, or method of construction or is a valuable example of the use of indigenous materials or crafts.

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit in the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

d. Is representative of the notable work of a master builder, designer, architect, engineer, landscape architect, interior designer, artist, or craftsman.

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit into the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area. Also, trash deposits would not qualify under this criterion because they are not manmade objects that are created by a specific person with a specific design in mind and therefore cannot represent the work of a master.

e. Is listed or has been determined eligible by National Park Service for listing on the NRHP or is listed or has been determined eligible by the State Historical Preservation Office for listing on the State Register of Historic Resources.

The two scatters are not listed nor have been determined eligible listing on the NRHP or the State Register of Historic Resources. The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit into the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

f. Is a finite group of resources related to one another in a clearly distinguishable way or is a geographically definable area or neighborhood containing improvements which have a special character, historical interest, or aesthetic value, or which represent one or more architectural periods or styles in the history and development of the City.

The current testing of the area immediately around CA-SDI-15826 indicates there is no evidence of the recorded deposit into the current area of potential effect. The deposit was uncovered and salvaged during the 2000 trenching and no potentially significant historic trash deposit associated with CA-SDI-15826 remains in the project area.

CA-SDI-15827, the second subsurface trash deposit, is within the tram turnaround that is proposed for restriping but no grading. Thus, the site will not be impacted by project construction.

P-37-019074 is an isolate recovered in a disturbed context, the El Prado roadbed. As an isolate in a disturbed context, it does not contain enough information to qualify under any of the four criteria for qualification for the CRHR. Because of the same reasons it does not qualify under any of the six criteria as a potentially significant resource under CEQA or City of San Diego criteria. P-37-019074 is not a significant historical resource and any project impacts to it will not be significant.

7.0 Recommendations

7.1 P-37-019074

P-37-019074 is an isolate in a disturbed context, the El Prado roadbed, and is not an historical resource under CEQA or a potentially significant resource under City of San Diego criteria. No mitigation is necessary for this isolate.

7.2 Shell Deposits

Testing of HJP-1 and HJP-2 determined both were not intact cultural deposits, but highly disturbed areas with, especially in the case of HJP-1, deposition of soil from off-site. Both areas have been subject to disturbance from construction in the past. They are both non-sites and do not qualify under any of the criteria for eligibility for listing on the California Register of Historic Resources or the criteria for listing on the City's Historical Resources Register. They are not an historical resource under CEQA or a potentially significant resource City of San Diego criteria.

The project will not have a significant impact and no mitigation for these non-sites is required.

7.3 Historic Trash Deposits

Subsurface historic trash deposit associated with CA-SDI-15827 is in Presidents Way, where it forms the north end of Pan American Plaza. Project plans show this area to be restriped as a tram turnaround; however, no grading is to occur. Thus, the project would not impact deposits associated with CA-SDI-15827 and no further analysis or mitigation is required.

CA-SDI-15826 is south of the House of Hospitality and north of the Japanese Garden, on the east side of the Mall, where grading will occur. Testing has shown that this is not an historical resource under CEQA or a potentially significant resource under City of San Diego criteria and no further mitigation is needed for this site.

The Arizona Street Landfill on East Mesa may have some excavation as a result of raising the gas probes and valve cans for the existing gas recovery. Because this is not a significant resource, no mitigation is recommended.

7.4 Unknown Subsurface Resources

Since the extent of grading for past construction in the project area of Balboa Park is unknown, there is the possibility of previously unknown subsurface prehistoric or historic deposits to be present in the project area. Because of this, RECON recommends that all grading and other ground-disturbing activity be monitored. This should include removal of existing pavement and concrete hardscaping such as walkways and landscaping involving excavation into potentially undisturbed soil.

The cultural resource investigations summarized herein satisfy the study and documentation requirements identified by the City of San Diego Development Services staff and are consistent with the goals and policies of the City of San Diego as published in the Land Development Manual.

8.0 Certification and Project Staff

This report was prepared in compliance with the California Environmental Quality Act (Section 21083.2 of the Statutes and Appendix K of the guidelines) and with policies and procedures of the City of San Diego. To the best of our knowledge, the statements and information contained in this report are accurate.

Harry J Price

Harry J. Price, Project Archaeologist

Carmen Zepeda Herman

Carmen Zepeda-Herman Principal Investigator
Register of Professional Archaeologists (RPA)

Resumes for key personnel are included in Attachment 1. The following individuals participated in the field tasks or preparation of this report.

Carmen Zepeda-Herman	Principal Investigator
Harry Price	Project Archaeologist
Sean Bohac	GIS Analyst
Vince Martinez	Graphic Designer/Cartographer
Stacey Higgins	Production Specialist
Juan J. Macias-Lopez	Field Assistant
Julio C. Rodriguez	Field Assistant
Tomas V. Santos	Field Assistant
Gabe Kitchen	Native American Monitor
Clinton Linton	Native American Monitor

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ATTACHMENTS

ATTACHMENT 1

Resumes of Key Personnel

Carmen Zepeda-Herman, RPA

Archaeologist

Highlights

- ✓ RPA
- ✓ California BLM Cultural Resource Use Permit

Experience:

11 years

Education:

M.A., Anthropology, San Diego State University

Thesis Title: Exchange Networks, Beads, and Social Status among the Historic Kumeyaay

B.A., Anthropology, University of California, Berkeley

Certifications/ Trainings

Certified by the Register of Professional Archaeologists (RPA)

Qualified Archaeological Principal Investigator, City of San Diego

California BLM Cultural Resource Use Permit No. CA-11-11

Arizona BLM Cultural Resource Use Permit No. AZ-000458

County of San Diego Approved Consultant – Archaeology

Riverside County Cultural Sensitivity Training Course, Register No. 240

Experience Summary

Ms. Zepeda-Herman is certified by the Register of Professional Archaeologists (RPA) and is responsible for leading and conducting field surveys, test excavations, data recovery excavations, and construction monitoring for cultural resource studies. She conducts background research, site records maintenance and assembles crews for completion of projects. Ms. Zepeda-Herman regularly works with a range of regulatory and assessment frameworks including National Historic Preservation Act (NHPA), National Register of Historic Places (NRHP), California Register of Historic Resources (CRHR), and CEQA.

Prior to joining RECON, Ms. Zepeda-Herman was an archaeological project leader for the State of California Department of Parks and Recreation. There she excavated both prehistoric and historic sites. She catalogued and analyzed artifacts recovered from prehistoric shell middens and various historic adobe sites. She performed construction monitoring and historic structure recordation, prepared documentation, and participated in various surveys.

Imperial Solar Energy Centers South and West Projects, Imperial County, CA

Ms. Zepeda-Herman served as principal investigator for the Imperial Solar Energy Centers South and West projects in Imperial Valley within portion of the Yuha Desert. The project consists of two utility-scale solar energy project sites (photovoltaic solar field and associated transmission lines) covering over 3,000 acres of both private and BLM lands. As part of this effort she conducted a record search and cultural resources survey pursuant to Section 106 and CEQA guidelines. Additionally, Ms. Zepeda-Herman presented data from surveys at a tribal consultation meeting and conducted three site visits with a member of Copopah, a member from the San Pasqual Band of Indians, a member of the Kwaaymii Laguna Band of Mission Indians, and a member of the Quechan Indian Nation.

Mount Laguna Air Force Station National Register Eligibility Evaluation, San Diego County, CA

Ms. Zepeda-Herman managed a National Register of Historic Places eligibility evaluation of the Mount Laguna Air Force Station located in the Cleveland National Forest. The evaluation for potential eligibility for inclusion on the National Register involved a building-by-building inspection of the remaining 23 buildings and the development of a historic context of MLAFS to use in the evaluation process. In addition, a cultural resources survey of the 140 acres of MLAFS was also conducted.

Ocotillo Airstrip Extension, Imperial County, CA

The project consists of extending the existing Ocotillo Airstrip, located in the western portion of Imperial County, approximately one mile northwest of the community of Ocotillo. The proposed extension is approximately 2,203 feet long and an area of approximately 45 acres was surveyed for cultural resources under the direction of Ms. Zepeda-Herman.

Knight and Sun Properties Mitigation Site for the Black Canyon Road Bridge Replacement Project, San Diego, CA

RECON conducted a survey of the proposed mitigation area and implemented a monitoring program for the project to satisfy Caltrans and the County's cultural review requirements in accordance with Section 106 and CEQA. As project supervisor, Ms. Zepeda-Herman conducted the survey and performed monitoring during the excavation for the wetland mitigation site. She coordinated closely with the contractor and the Native American monitor.

Intensive Cultural Resource Survey of the BLM Hauser Mountain Fuel Management Area, San Diego County, CA

Ms. Zepeda-Herman managed a Class III Cultural Resources Survey for the Hauser Mountain Fuels Project on over 300 acres in eastern San Diego County. The project was for a plan to reduce fire hazards by clearing, grazing, and prescribed fires. As a result of the survey, RECON recorded some 83 new heritage resources.

Seal Beach National Wildlife Refuge Cultural Resources Review for Comprehensive Conservation Planning

Seal Beach National Wildlife Refuge is located in Orange County and is managed by the San Diego National Wildlife Refuge Complex (SDNWFC). A cultural resources review was prepared to assist the SDNWFC in completing a Comprehensive Conservation Plan and accompanying environmental assessment. Ms. Herman was a co-author for the review. She compiled record search data and reviewed previous cultural resource investigations. She helped identify any data gaps and areas of archaeological sensitivity with the Refuge.

Regional Research Design for the Naval Weapons Station Seal Beach Detachment Fallbrook

The purpose of this research design is to provide Naval Weapons Station Seal Beach, Detachment Fallbrook with a reasonable foundation for future management decisions regarding cultural resources studies on Detachment Fallbrook property. Ms. Herman co-authored the research design. Relevant research issues included settlement systems and subsistence economy, land use and distribution in particular with the bedrock milling features and their spatial relations. Historic themes included ranching, transportation, and military history.

Eastern San Diego County Draft RMP/EIS, BLM El Centro Field Office, CA

In support of the Resources Management Plan, Ms. Zepeda-Herman conducted a site analysis and review for 25,000 acres of BLM lands within the Eastern San Diego Management Plan area. She created a site attribute table for over 600 sites using site forms and a GIS database. The data was incorporated into BLM’s cultural resources database with standardized attribute values that can be easily queried.

Emery Road Realignment, County of San Diego, CA

Ms. Zepeda-Herman completed a cultural resource survey of approximately 0.14 mile of Emery Road with a 100-foot buffer. Recorded one new cultural resource within the APE and as result of proposed impacts, a test excavation program was implemented in order to determine the significance of the archaeological site. Ten shovel test pits were excavated and APE was surface collected. Based on the results of the excavations, the site was determined to be significant and data recovery program was recommended to mitigate the impacts of the project.

Jacumba Airport Project, San Diego, CA

Ms. Zepeda-Herman completed the survey of a one-acre lot proposed for a new building and the perimeter of the airport in order to determine the impacts of the installation of a security fence. The purpose was to give guidance in project design and citing of projects at the airport. Two previously recorded sites and two newly recorded sites were identified. A footprint location for the new building to avoid impacts to the cultural resources and construction monitoring for the building and the fence installation were recommended.

Jamacha Blvd., Improvements, Phase 2 Project, San Diego, CA

Ms. Zepeda-Herman surveyed the project area with a 300 foot buffer around the centerline of Jamacha Blvd. One cultural resource recorded within the project area was not relocated but had been tested numerous times and determined not to have a subsurface deposit and not significant under CEQA. One historic rock feature was recorded and determined not significant under CEQA. There were no associated artifacts to date the site. The proposed project would not result in significant impacts to cultural resources.

Pump Station 45 Historic Assessment, San Diego, CA

Ms. Zepeda-Herman completed an on-foot survey and archival research at local historical societies and the public library for Pump Stations 28, 29, and 45. The three pump stations were evaluated for significance at the local and state level. PS45 was determined not eligible for listing at any level. PS 28 and PS 29 were determined not eligible for listing on the California Register but were found significant at the local level due to their association with Camp Callan established during WWII.

Otay Valley Regional Park Trails Project, San Diego, CA

RECON implemented a monitoring program for the OVRP trail system improvements project to satisfy the County's cultural review requirements in accordance with CEQA. As archaeology monitor, Ms. Zepeda-Herman performed monitoring during the excavation for the wetland mitigation site, three staging areas, four river crossings, and the bridge at Poggi Creek; grading for trails; and digging for fence post holes. She coordinated closely with the contractor and the Native American monitor.

Sweetwater River Phase III Trail Project, San Diego, CA

The proposed project is a multi-use trail (pedestrian, equestrian, and bicycle) approximately one mile in length that will be part of the planned trail system extending east from I-805 to a loop trail around the Sweetwater Reservoir. The current trail project is located within the Sweetwater Valley Regional Park (SVRP).Ms. Zepeda-Herman performed a cultural resources survey in accordance with the requirements of the County of San Diego and CEQA to identify any potential impacts to significant cultural resources. This entailed review of archival information from the South Coastal Information Center at SDSU and completion of a pedestrian survey along the existing trail.

Lake Morena County Park Pacific Crest Trail Staging Area Project, San Diego, CA

The project, located within the Lake Morena County Park, involved developing a staging area adjacent to the park campground for users of the nearby Pacific Crest Trail. Improvements included a parking area, several campsites, a picnic area, and a group fire pit. Ms. Zepeda-Herman implemented a cultural resources monitoring program in accordance with the requirements of the County of San Diego and Section 106 of the National Historic Preservation Act to avoid any adverse effects to buried historic properties during construction.

Mission to Miguel 230-kV Transmission Line Project, San Diego, CA

Ms. Zepeda-Herman conducted a cultural resources survey and reporting for this 230-kV transmission line access road. The route follows existing transmission lines within an existing SDG&E utility easement for approximately 35 miles and extends through the

Cities of El Cajon, Santee, and San Diego, and a portion of U.S. Marine Corps Air Station Miramar. The cultural resource investigation was undertaken to satisfy the conditions of project approval, regarding cultural resources, as requested by the California Public Utilities Commission and as identified in CEQA.

Cultural Resource Evaluation of Site CA-SDI-7240, Sycamore Canyon, BLM South Coast/Palm Springs Field Office, CA

RECON completed fieldwork involving documentation and significance testing of a large Late Prehistoric archaeological site near the community of Dulzura. A portion of the site had been inadvertently graded during fire suppression activities and was re-examined to determine its eligibility for listing on the National Register of Historic Places. Ms. Zepeda-Herman completed a record search and summarized previous investigations of the immediate project area.

San Elijo Lagoon Nature Center Archaeological Monitoring and Feature Excavation, San Diego, CA

As lead archaeologist for this County of San Diego project, Ms. Zepeda-Herman is responsible for archaeological monitoring for the removal of the existing one-story visitor center, trailer, and storage shed and replacement of the center with a new, two-story nature center complex. She served as project supervisor during the hearth feature excavation. This monitoring and feature excavation effort supported the County’s responsibilities under CEQA to incur no significant impacts to cultural resources in the implementation of the proposed project.

Agua Caliente Pool and Campsite Improvements Archaeological Monitoring and Test Excavations, San Diego, CA

Ms. Zepeda-Herman is serving as project supervisor for this County of San Diego Department of Parks and Recreation project in the Anza-Borrego Desert Recreation Area. She is responsible for coordinating the archaeological and Native American monitoring and test excavations. The project was undertaken as a mitigation measure in accordance with the requirements of the County to avoid significant impacts to cultural resources under CEQA.

SDG&E Mountain Empire Training Facility, San Diego, CA

The project is located on a 19-acre site and consists of a graded training yard, classroom trailer, fenced area, access road, and parking. Ms. Zepeda-Herman completed a cultural resources survey for the SDG&E Mountain Empire Training Facility project in accordance with the requirements of the County of San Diego and CEQA to identify any impacts to significant cultural resources. She also completed a record search and coordinated with the Native American monitor.

SDG&E Wood to Steel Pole TL6931, Boulevard Project Draft Cultural Resources Survey Report, San Diego, CA

The proposed project includes the replacement of 49 wooden poles with steel poles between the City of Boulevard and Campo Indian Reservation in southeast San Diego County. Ms. Zepeda-Herman conducted a record search and field survey to obtain new field data on the presence/absence of archaeological sites within pole locations and access routes to the poles. The results were provided in a Draft technical report.

SDG&E South Bay Substation PEA Technical Studies, San Diego, CA

Ms. Zepeda-Herman completed a cultural resources survey and report for the substation and three associated locations. She developed mitigation measures to reduce adverse impacts to significant historical resources. The purpose of the study was to assess impacts to cultural resources that may potentially occur as a result of project implementation in accordance with CEQA.

Santee Lakes Trails Phase 4 Record Search for Padre Dam Municipal Water District, San Diego, CA

For this project, Ms. Zepeda-Herman conducted a record search at the South Coastal Information Center and the San Diego Museum of Man and presented the results to the District in a letter report.

YWCA Sewer Test Excavations, San Diego, CA

Ms. Zepeda-Herman served as project archaeologist responsible for cultural resource test excavations. The purpose of the test excavation was to evaluate whether the proposed undertaking would adversely affect significant historic properties. Monitoring and data documentation was recommended. The project was undertaken to satisfy the County of San Diego responsibility under Section 106 of the NHPA.

Vallecitos Water District Meadowlark Reservoir Heritage Resources Survey, San Marcos, CA

Ms. Zepeda-Herman conducted a heritage resources survey of the 2.77-acre project area for Meadowlark Reservoir. The project involves the removal of a 1.25 million-gallon (MG) steel water tank and the construction of a 2.8 MG steel water tank. She described her methods and findings in a letter report to the client, Vallecitos Water District.

Matagual Creek Sand Extraction, San Diego, CA

Ms. Zepeda-Herman conducted background research and compiled record searches. She performed a cultural resources survey and maintained site records.

Archaeological Survey of a Portion of The Ancient Lake Cahuilla Shoreline, Target Area 101, Naval Air Facility El Centro, CA

Ms. Zepeda-Herman participated in the cultural resource survey for this project involving a cultural resources inventory of 2,000 acres along a portion of the ancient Lake Cahuilla shoreline at Naval Air Facility, El Centro.

Fighting Positions NRHP Eligibility Determinations of Three Archaeological Sites, MCB Camp Pendleton, CA

The purpose of this project was to complete test excavations at each site, determine whether they contain intact subsurface cultural deposits, and to assess their NRHP eligibility. Ms. Zepeda-Herman served as crew chief for the archaeological excavations and conducted laboratory analysis.

Kenwood Drive Improvements Archaeological Monitoring and Data Recovery Program, San Diego, CA

Ms. Zepeda-Herman was the lead archaeologist for this County of San Diego project. Was responsible for implementing the archaeological monitoring program, including coordinating with Native American monitors. She served as project supervisor during the data recovery excavation and assisted in the consultation with the local Native American tribe in regards to the discovery of human remains and their associated goods.

M2i Development Archaeological Monitoring, San Diego, CA

Ms. Zepeda-Herman performed construction monitoring for the M2i development project. She prepared the site form and findings report and was responsible for cataloguing and preparing artifacts for curation.

Anza Borrego Desert State Park Post-Burn Surveys, CA

Ms. Herman completed the cultural resources survey, new site recordation, and site form preparation for a post-burn area of this State park.

La Cresta Test Excavations, San Diego, CA

Ms. Zepeda led this cultural resources investigation for the County of San Diego Department of Public Works (County). The purpose of the cultural resources test excavations was to evaluate whether the existing and proposed emergency watershed protection activities conducted by County have disturbed or would disturb the cultural resources identified within the property.

Valley Center Road Widening Data Recovery Program, San Diego, CA

For this County of San Diego project, served as project archaeologist responsible for completing a research design report for the data recovery program, and served as project supervisor during excavation. The data recovery program was recommended as mitigation for impacts resulting from the road widening.

Pio Pico State Historic Park, CA

Ms. Zepeda-Herman assisted with historic structure recordation, including photographing, written description, and sketching. She monitored during demolition phase of restoration project. She excavated foundation for reconstructed adobe rooms and tested cobble foundation for support posts for porch. She participated in geophysical testing, assisted with testing inside adobe rooms and trash pits, catalogued artifacts into an Access database, and wrote sections of the final report.

Sepulveda Adobe Restoration, Malibu Creek State Park, CA

Ms. Zepeda-Herman conducted historic structure recordation, including photographing, written description, and sketching. She monitored during demolition phase of restoration project, excavated footings for structural supports for the building, catalogued artifacts into an Access database, and wrote the final report.

Cultural Resource Survey for the Navy SERE Remote Training Site, Warner Springs, CA

Ms. Zepeda-Herman participated in a Class II sample survey for the proposed expansion of the US Navy Remote Training Site, Warner Springs. The survey covered approximately 6,400 acres of the total 12,544 acre project area. This property is owned and/or managed by the BLM, US Department of the Interior, US Forest Service, and Vista Irrigation District requiring effective coordination and communication among all parties. She compiled the Department of Parks and Recreation forms for 125 cultural resources identified during the survey.

BLM Blanket Purchase Agreement (BPA) for Fuels Management Support Services, BLM Palm Springs-South Coast Field Office

RECON completed a contract with BLM to provide environmental review services in support of BLM’s fuels management program. Ms. Zepeda-Herman conducted record searches for the Beauty Mountain, Dulzura, Gavilan Hills, Hauser Mountain and El Potrero fuels projects. She participated as field crew during the surveys for three of these projects. She authored the final report with resource evaluation and mitigation measures for the Dulzura Fuel Break.

Silver Strand Training Complex Archaeological Testing and NEPA EIS, San Diego, CA

RECON conducted test excavations at seven prehistoric archaeological sites at the Silver Strand Training Center. Ms. Zepeda-Herman participated as a field crew during the excavations and prepared maps for the final report..

Harry Price

Archaeologist/Architectural Historian

Highlights

- ✓ Field surveying, excavation, and monitoring
- ✓ Experience evaluating properties for the NRHP

Experience:

36 years

Education:

B.A., Anthropology, San Diego State University, 1976

Certifications/Trainings:

County of San Diego Approved CEQA Consultants List – Archaeological and Historic Resources

Qualified Archaeological Monitor, City of San Diego

Archaeological Field Training at Bancroft Ranch House and San Diego Presidio

Riverside County Cultural Sensitivity Training Course, Register No. 241

California BLM Cultural Resource Use Permit No. CA-11-11

Experience Summary

Mr. Price is an experienced archaeologist in the areas of excavation, site mapping, soil profiling, column sampling, surface collection, and field reconnaissance. He serves as field crew supervisor, conducts field surveys, provides illustration of artifacts, and prepares maps of archaeological sites.

Mr. Price's archaeological duties include organizing personnel and equipment for work in the field, daily assignment of duties to field crew, daily field notes on progress and results, site sampling strategy (i.e., shovel tests, 1x1-meter units, trenching), placement of sample unites, and site mapping. Mr. Price has experience in Historic American Building Survey (HABS) and Historic American Engineering Record (HAER) documentation for historic structures. He has performed historic building evaluations and archival research for many historic structures in the San Diego area and is familiar with the California Register of Historical Resources (CRHR) and National Register of Historic Places (NRHP) eligibility requirements. Mr. Price is on the County of San Diego's Qualified Consultants List for the fields of Historic Resources and Archaeology.

Imperial Solar Energy Center, Imperial County, CA

Mr. Price conducted a cultural resource survey for two utility-scale solar energy projects in western Imperial County. The two project sites consist of a photovoltaic solar field and associated transmission lines and cover over 2,000 acres of both private lands and BLM lands in Imperial County.

Intensive Cultural Resource Survey of the BLM Hauser Mountain Fuel Management Area, San Diego County, CA

Co-authored and participated in a Class III Cultural Resources Survey for the Hauser Mountain Fuels Project of 310 acres in eastern San Diego County. Project was for a plan to reduce fire hazards by clearing, grazing and prescribed fires.

Archaeological Survey of Selected BLM Road Closures in the Yuha Desert and East Mesa, Imperial County, CA

Served as project archaeologist responsible for conducting pedestrian surveys on 228 acres on road segments slated for closure and revegetation by the BLM in western Imperial Valley. Mr. Price authored the report of findings and recommendations dealing with the numerous prehistoric sites identified during the surveys.

Data Recovery Excavations at CA-SDI-11569 and -11570, Carlsbad, CA

Mr. Price was the field director and co-author of the data recovery efforts on two small Late Prehistoric sites above San Marcos Creek. Responsibilities included developing the data recovery research design, directing the field crew, overseeing catalouging and analysis in the lab, and co-authoring the report presenting findings and recommendations.

Cultural Resource Significance Testing of Archaeological Site HS-1 (CA-SDI-16661) on the Holly Springs Property, Carlsbad, CA

Mr. Price was the field director and co-author of the Significance Testing program for a small two-loci Late Prehistoric site north of Agua Hedionda Creek. Responsibilities included developing the data recovery research design, directing the field crew, overseeing catalouging and analysis in the lab, and co-authoring the report presenting findings and recommendations for the site.

Cultural Resource Survey for the Alliance Regional Center, City of Imperial, CA

Mr. Price conducted the pedestrian survey of the 25 ac. parcel proposed for a development to include a hotel, retail space, restaurants, and two office buildings. A segment of the Imperial Irrigation District canal system, consisting of a portion of the Dahlia Drain, was identified as a historic resource and appropriate DPR forms completed and submitted to the SCIC.

Cultural Resource Survey for the Construct Runway 18/36 Safety Area Improvements Project, Fallbrook, CA

Mr. Price participated in the pedestrian survey of the 33 acre Fallbrook airport for the County of San Diego. The survey was for proposed improvements recommended for addressing operational safety and efficiency in the context of future airport demands. An additional element consists of a proposed Stephens’ Kangaroo Rat Preserve along the western boundary area. Mr. Price also co-authored the survey report.

Cultural Resource Survey for the Navy SERE Remote Training Site, Warner Springs, CA

Mr. Price participated in a Class II sample survey for the proposed expansion of the US Navy Remote Training Site, Warner Springs. The survey covered approximately 6,400 acres of the total 12,544 acre project area. This property is owned and/or managed by the BLM, US Department of the Interior, US Forest Service, and Vista Irrigation District requiring effective coordination and communication among all parties. He compiled the Department of Parks and Recreation forms for 125 cultural resources identified during the survey.

Historic Building Survey of the Escondido Mutual Water District Shop/Warehouse, Escondido, CA

Archival photographic research on history of a half round metal building constructed by the Escondido Water Districts to determine its significance under CEQA and City of Escondido Guidelines.

Historic Building Survey of Four Buildings on South Orange Avenue, Escondido, CA

Project Architectural Historian for this redevelopment project in Escondido. Responsible for background research, on-site current conditions survey, and buildings evaluation report with mitigation recommendations for these four buildings (three residences and an outbuilding) built between 1930 and 1960. The evaluation included archival, aerial photography and architectural research following CEQA and City of Escondido Guidelines.

Historic Building Survey on West San Ysidro Boulevard, City of San Diego, CA

Building was a single family residence constructed in 1920's and extensively modified. Evaluation was requested by City of San Diego as part of environmental document for multi-family residences on the property.

Historic American Building Survey (HABS) for the Descanso Ranger Station, Engine Garage, San Diego County, CA

Completed HABS documentation of the wood frame building including photography, sketches, and archival research to meet HABS level documentation determined necessary before destruction of the building.

Evaluation of Apartment/Day School at 4153 4th Avenue, San Diego, CA

Took photos and performed basic research to determine construction dates and original use of three buildings in Hillcrest area of San Diego for City staff to use to determine level of additional documentation required for redevelopment plan by UCSD.

National Register Evaluation/Documentation of Schwanbeck's Store, Crossroads, CA

Scope of project was to do a HABS level documentation of store remains for archival purposes as the resource was in declining condition.

Cultural Resource Survey of the Borrego Valley Airport, San Diego, CA

For this County of San Diego project, Mr. Price served as project archaeologist responsible for conducting a pedestrian survey on an approximately 18-acre parcel located immediately west of the Borrego Valley Airport and five airport improvement locations within the airport. Mr. Price also conducted the construction monitoring, and wrote the monitoring report.

La Cresta Cultural Resources Test Excavations, San Diego, CA

Mr. Price participated in the survey, testing and recordation for this project. Testing of the site consisted of ten STP and eight soil profiles. The purpose of the STPs was to identify the presence or absence of cultural material and thus determine if any cultural resources had been disturbed during the flood control activities conducted by the County of San Diego Department of Public Works.

Historical Resources Survey for the Mission Gorge Superior Mine Reclamation Master Development Plan, City of San Diego, CA

Project Archaeologist responsible for conducting record search, directing the field effort, and writing the technical report with mitigation recommendations for this 395-acre. redevelopment project in Mission Gorge. Included the relocation and evaluation several segments of the Old Mission Flume, a City, State, and Federally listed historical resource.

Cultural Resources Survey of the Goddard Residence Property, Harbison Canyon, County of San Diego, CA

Cultural resource survey of 17 acre parcel for construction of house. Project included testing of small site on property, evaluation of remains of old house, recommendations for avoidance of resources.

Cultural Resource Survey of the Alvarado Apartments Project, San Diego, CA

Cultural resources survey of 9.9-acre developed property for redevelopment of apartment complex. Project included survey and report of negative findings.

Ocotillo Airstrip Extension, Imperial County, CA

The project consists of extending the existing Ocotillo Airstrip, located in the western portion of Imperial County, approximately one mile northwest of the community of Ocotillo. The proposed extension is approximately 2,203 feet long and an area of approximately 45 acres was surveyed for cultural resources. The project goal of the project is to provide enough runway length to enable safer operations for student pilots or for emergency landings.

Cultural Resources Survey for the Coyne Ranch Development Project, Imperial County, CA

Mr. Price conducted the pedestrian survey and wrote the report for the 129-acre parcel proposed for a residential development near the community of Seeley, in the Imperial County. No cultural resources were found on the parcel originally used for farming.

Jacumba Airport Project, San Diego, CA

Mr. Price completed the survey of a 12-acre lot proposed for a new building and the perimeter of the airport in order to determine the impacts of the installation of a security fence. The purpose was to give guidance in project design and citing of projects at the airport. Two previously recorded sites and two newly recorded sites were identified. A footprint location for the new building to avoid impacts to the cultural resources and construction monitoring for the building and the fence installation were recommended.

SDG&E Transmission Line Bundling, Imperial Valley Substation to the U.S./Mexico Border, CA

Mr. Price participated in archaeological field surveys, significance testing, and monitoring for the construction of two 230-kV transmission lines in Imperial County. As a project monitor, he was present for the drilling of the tower footings, cement form setup, cement pouring, and initial lattice assembly.

SDG&E Mission to San Miguel 230-kV Transmission Line Project, San Diego, CA

Mr. Price conducted a cultural resources survey for this 230-kV transmission line access road. The route follows existing transmission lines within an existing SDG&E utility easement for approximately 35 miles and extends through the cities of El Cajon, Santee, and San Diego, and a portion of the U.S. Marine Corps Air Station Miramar. The cultural resource investigation was undertaken to satisfy the conditions of project approval, regarding cultural resources, as requested by the California Public Utilities Commission and as identified in CEQA.

Mount Laguna Air Force Base Heritage Review, San Diego County, CA

Mr. Price co-authored a National Register of Historic Places eligibility evaluation of the Mount Laguna Air Force Station located in the Cleveland National Forest. The evaluation for potential eligibility for inclusion on the National Register involved a building-by-building inspection of the remaining 23 buildings and the development of a historic context of MLAFS to use in the evaluation process. In addition, a cultural resources survey of the 140 acres of MLAFS was also conducted.

Representative Projects

- Monitoring for the San Dieguito Lagoon Restoration Project, Del Mar, City of San Diego, CA
- Monitoring for the Arbor Terrace Project, North Park, City of San Diego, CA

- Monitoring for a Portion of the West Clusters Development Grading, Black Mountain Ranch, San Diego, CA
- Monitoring for the Veterinary Specialty Hospital Grading, Sorrento Valley, San Diego, CA
- Monitoring for AAA Office, Mission Valley, San Diego, CA
- Monitoring for Camino Del Sur and Lusardi Creek Bridge Grading, Black Mountain Ranch, San Diego, CA
- Monitoring for the Egyptian Condominiums, San Diego, CA
- Monitoring for Construction at MILCON P-634, MCB Camp Pendleton, CA
- 230 kV Transmission Corridor from Imperial Valley Substation to the International Border, CA
- Cultural Resources Survey for BLM Dulzura Fuel Break, Dulzura, CA
- Cultural Resources Survey of a Portion of the Golf Training Area, MCB CampPendleton, CA
- Cultural Resource Survey of the Archstone Mission Gorge Development Project, Mission Gorge, City of San Diego, CA
- Cultural Resource Survey of the River Park Equestrian Center, Del Mar, City of San Diego, CA
- Cultural Resources Survey for Chula Vista Bayfront Master Plan EIR, Chula Vista, CA
- Cultural Resources Survey for Santee Town Center Specific Plan Amendment, Santee, CA
- Cultural Resource Survey and Building Evaluation of the AMCAL Multi-housing Project, El Centro, CA
- Evaluation of the Ivey Ranch House at the Ivey Ranch Park, Oceanside, CA
- Historic American Engineering Record (HAER) Documentation of Six Base End Stations in the White’s Point Reservation, Los Angeles County, CA
- Evaluation and Documentation of the Alta Loma Heights Citrus Association Packing House, Rancho Cucamonga, CA.
- Cultural Resource Surveys of Portions of Eight County Parks, San Diego, CA
- Cultural Resource Evaluation and Determination of National NRHP Eligibility for Two Sites on MCB Camp Pendleton, CA
- Data Recovery Excavations for the Western Portion of CA-SDI-13,727 in Valley Center, CA
- Test Excavations of Site at Highway 94 and Jamacha Junction, San Diego, CA
- Dry Lakes Data Recovery at 4-IMP-5620 for the Bureau of Land Management, Imperial County, CA
- Testing at 9 Sites in The Villages and The Ranch at Stallions Crossing, San Diego, CA

- Cultural Resource Survey of the Proposed Lake Murray, Cowles Mountain, and Fortuna Mountain Regional Park, San Diego, CA
- Data Recovery of Nine Archaeological Sites at La Costa North Lake and Golf Course Complex, Carlsbad, CA
- Data Recovery at Campus Point, San Diego, CA
- Cultural Resource Survey for the Hieatt-Jett Property, Carlsbad, CA
- Archaeological Testing of Six Sites at the Proposed North City West, Seventh Development Unit, City of San Diego, CA
- Extended Initial Studies at Mira Costa Estates, San Diego, CA
- Cultural Resource Survey for Areas VII and VIII of The El Sobrante Landfill Expansion, Riverside County, CA
- Archaeological Field Survey of Saint William of York Property, San Diego, CA
- Cultural Resource Survey for the El Corazon Property, Oceanside, CA
- Cultural Resource Survey for Los Peñasquitos Canyon Preserve, San Diego, CA
- Data Recovery at Ten Archaeological Sites at Westwood Valley, San Diego, CA
- Data Recovery at Santee Greens Development, El Cajon, CA
- Excavations at Los Peñasquitos (Johnson Taylor) Ranch House, San Diego, CA
- Testing of Archaeological Sites at Travertine Material Site, San Diego, CA
- Testing of Sites for a Portion of State Route 52/Interstate 15, San Diego, CA
- Cultural Resource Survey of the Shawnee Grantville Redevelopment Project, Mission Gorge, City of San Diego, CA
- Cultural Resource Survey of the Sunshine Beradini Fields Development Plan Property, San Diego, CA
- Cultural Resource Survey of the Robertson’s Oceanside, Concrete Facility, City of Oceanside, CA
- Cultural Resource Survey for the BLM Hauser Mountain Fuel Break, San Diego County, CA
- Cultural Resource Survey for the BLM Beauty Mountain Fuel Break, San Diego and Riverside Counties, CA
- Archaeological Survey of a Portion of Lake Cahuilla, Target 101, Naval Air Facility El Centro, CA
- Cultural Resources Survey for the Joshua Tree National Park Pinto Basin Road (Park Route 11) from Milepost 7.5 to Milepost 30.21

- Cultural Resources and Historic Resources Survey for the Camp Lockett Sewage Treatment Plant Garage, San Diego County, CA
- Cultural Resources Surveys for the Imperial Valley South and West Solar Projects, Imperial Valley, CA
- Cultural Resources Survey for the Five Reservoirs Retrofit Program, PH 3, West Victoria Reservoir Roof and Pump Station Replacement Project, Padre Dam Municipal Water District, CA
- Cultural Resource Survey of the 4S Ranch Chinese Church Project, San Diego County, CA
- Cultural Resource Survey for the Pace Residence, La Jolla, CA
- Cultural Resources Survey for the Water Main Replacement, Acacia Avenue to Starr Tank Project in Chula Vista. Padre Dam Municipal Water District, CA

CONFIDENTIAL ATTACHMENTS

Are not for public review

APPENDIX C

Centennial Bridge Photographic Survey

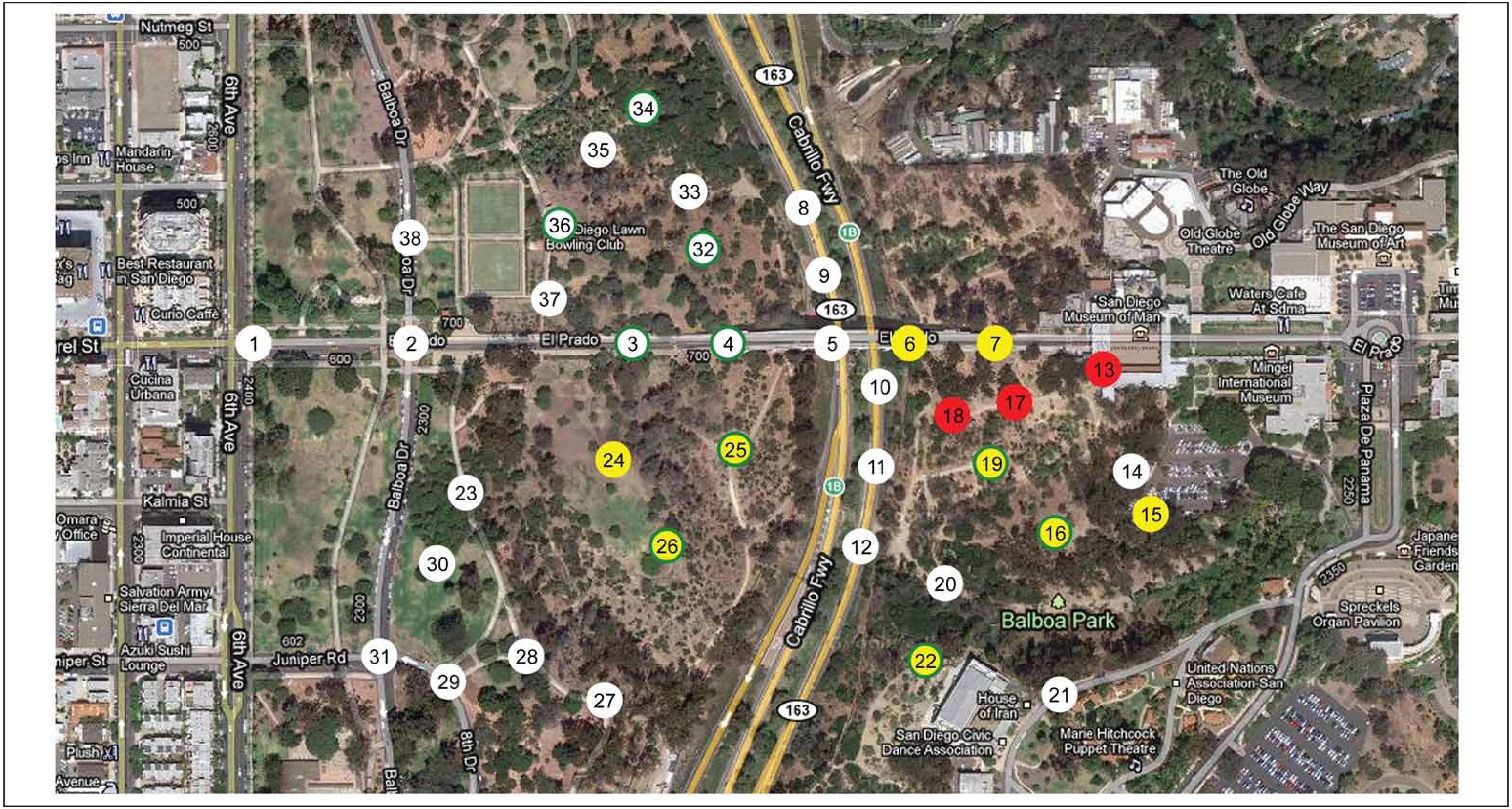
Centennial Bridge Photographic Survey, Balboa Park Plaza de Panama Project, City of San Diego Project No. 233958

Prepared for
KCM Group
1940 Garnet Avenue, Suite 300
San Diego, CA 92109

Prepared by
RECON Environmental, Inc.
1927 Fifth Avenue
San Diego, CA 92101-2358
P 619.308.9333 F 619.308.9334

RECON Number 6095
November 16, 2011

Map Source: Heritage Architecture & Planning, September 2011



○ Where Centennial Bridge Will Not Be Visible

🟡 Where Centennial Bridge Will Be Partially Visible

🔴 Where Centennial Bridge Will Be Clearly Visible

◯ Matches a Historic Photo

No Scale

Centennial Bridge Photo Survey

RECON

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Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 1

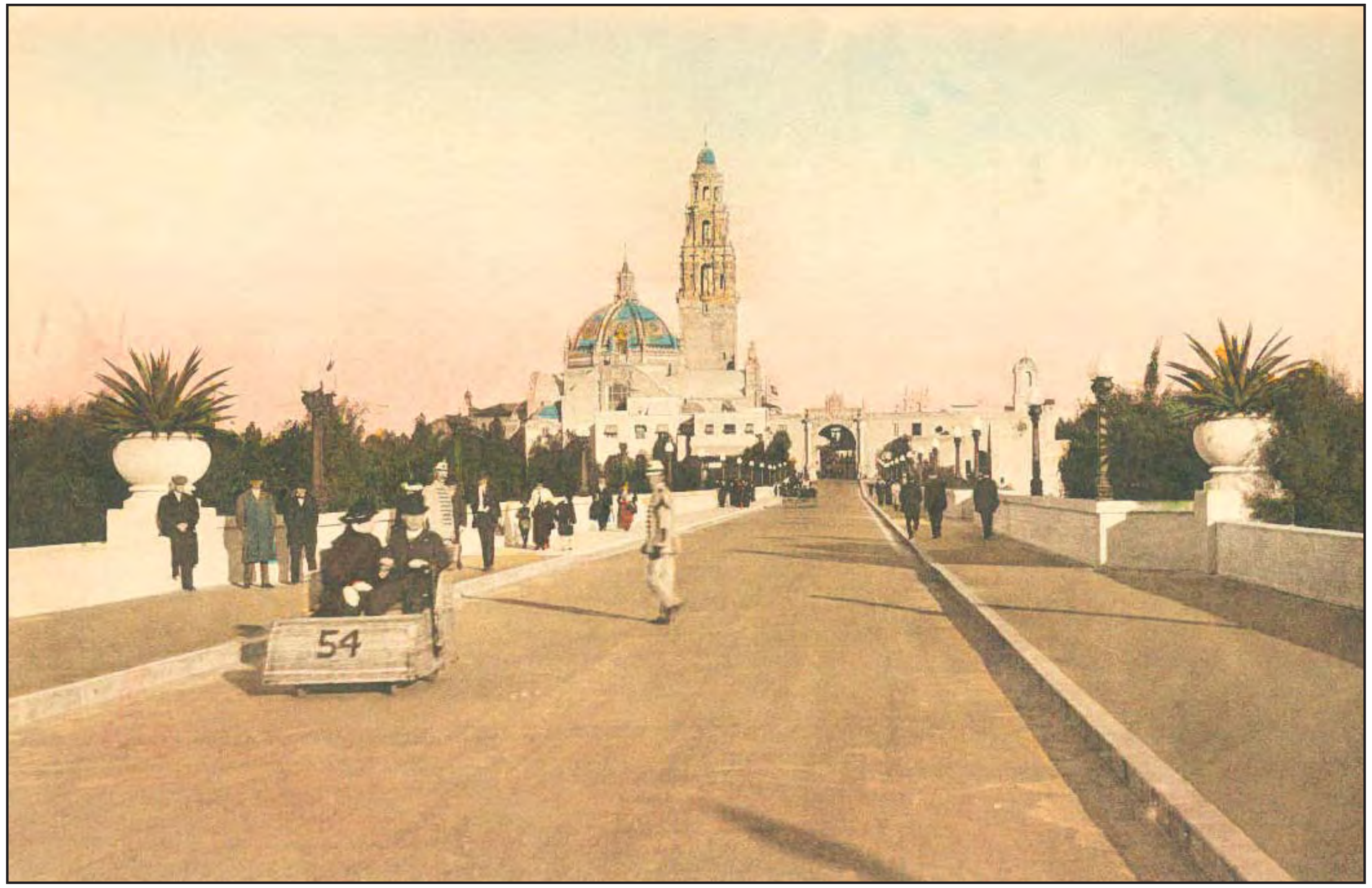
RECON

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 2

Source: Heritage Architecture & Planning



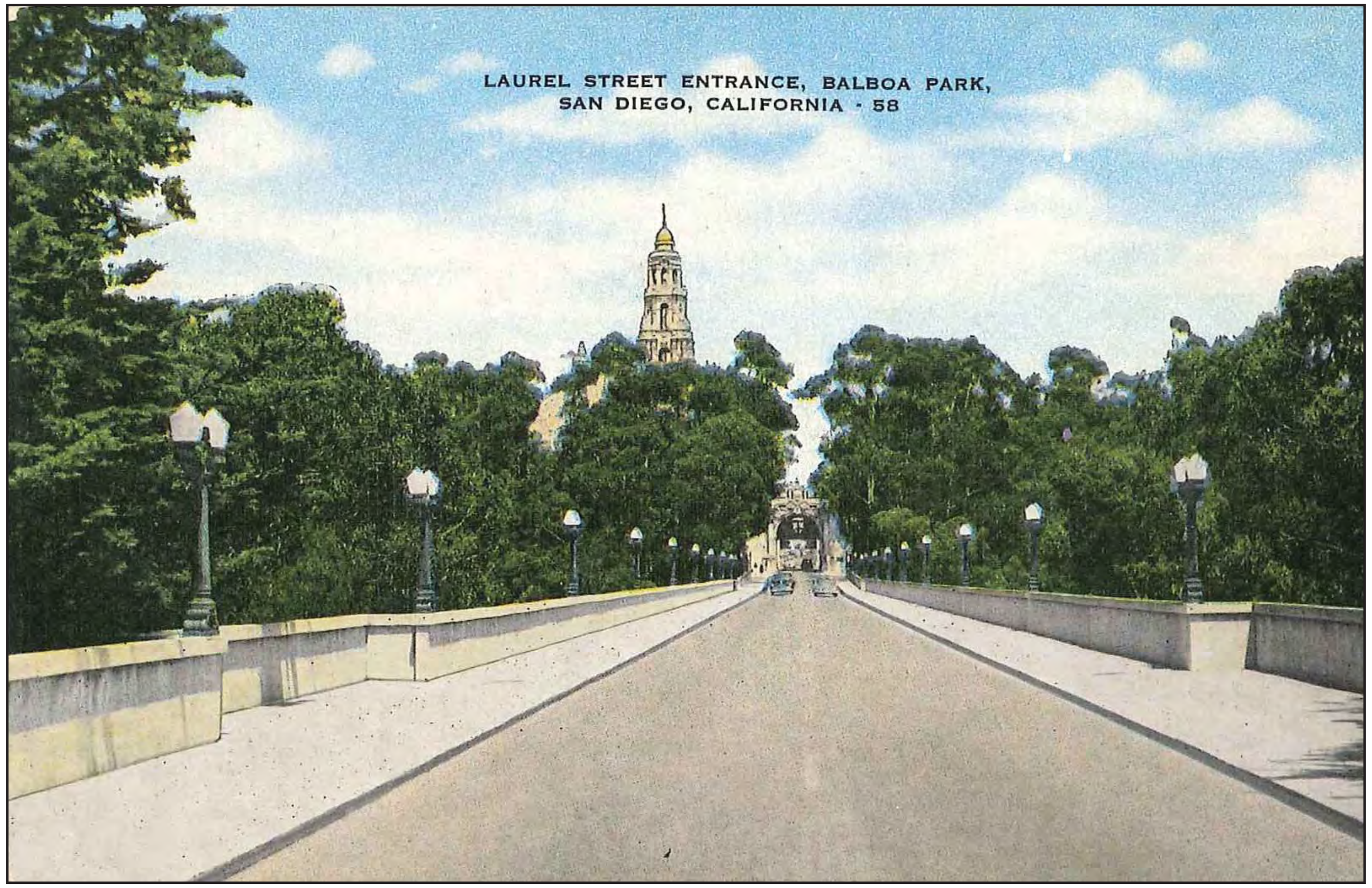
Historic Photo

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 3

Source: Heritage Architecture & Planning



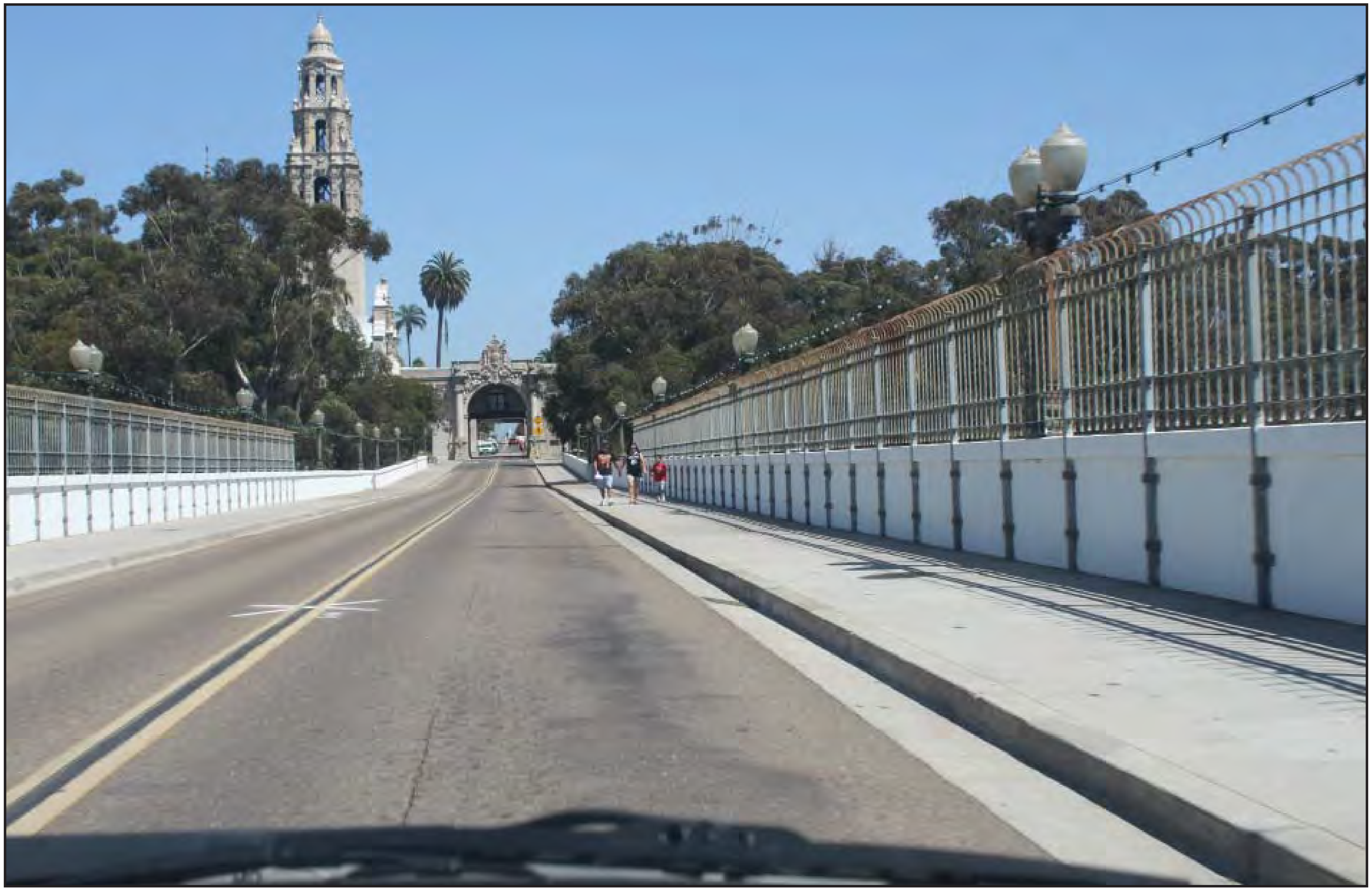
Historic Photo

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 4

Source: Heritage Architecture & Planning



Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 5

Source: Heritage Architecture & Planning

Historic Photo

Source: Heritage Architecture & Planning

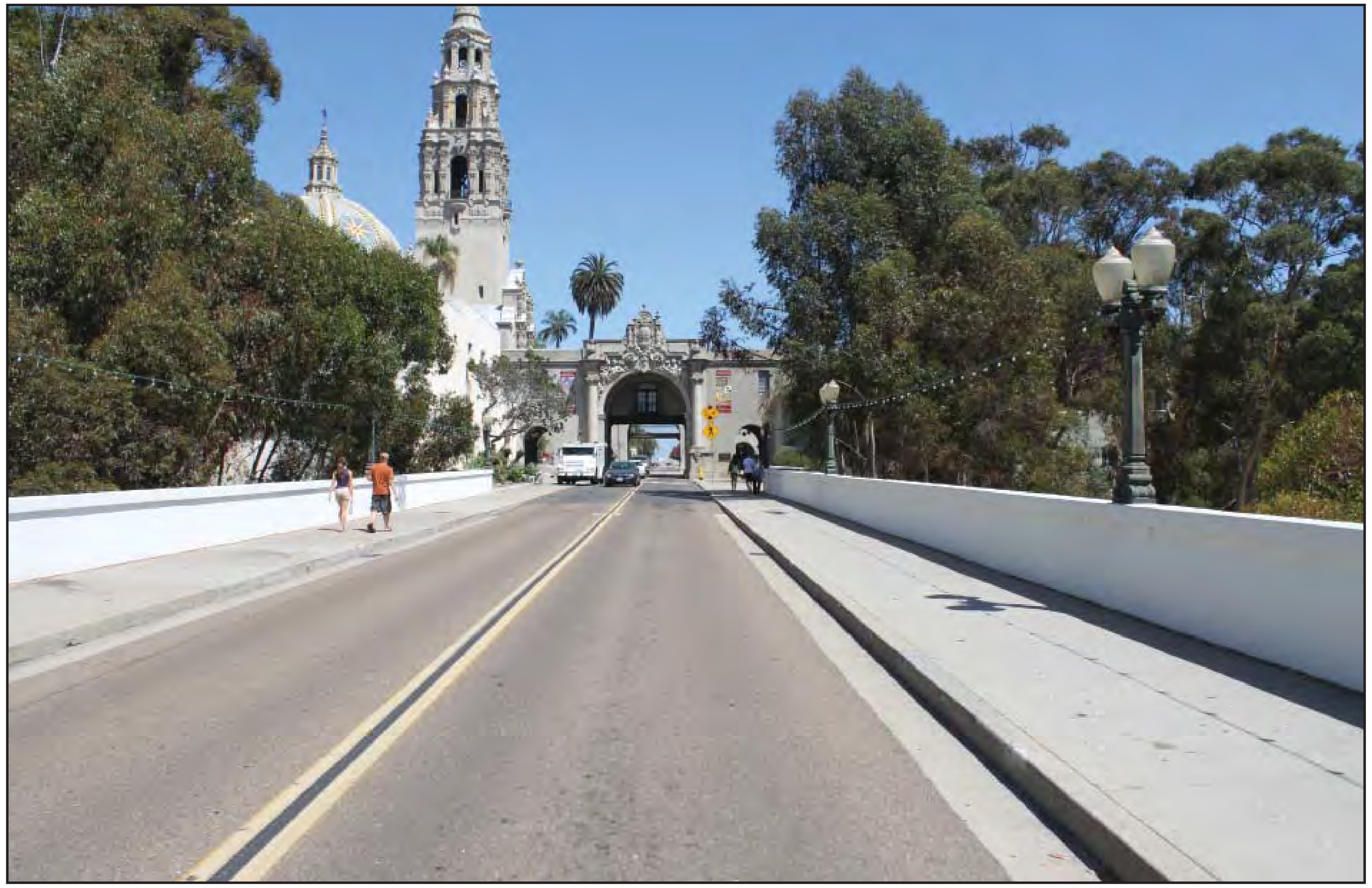
Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 6

Source: Heritage Architecture & Planning



Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 7

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 8

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 9

RECON

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 10

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 11

Source: Heritage Architecture & Planning

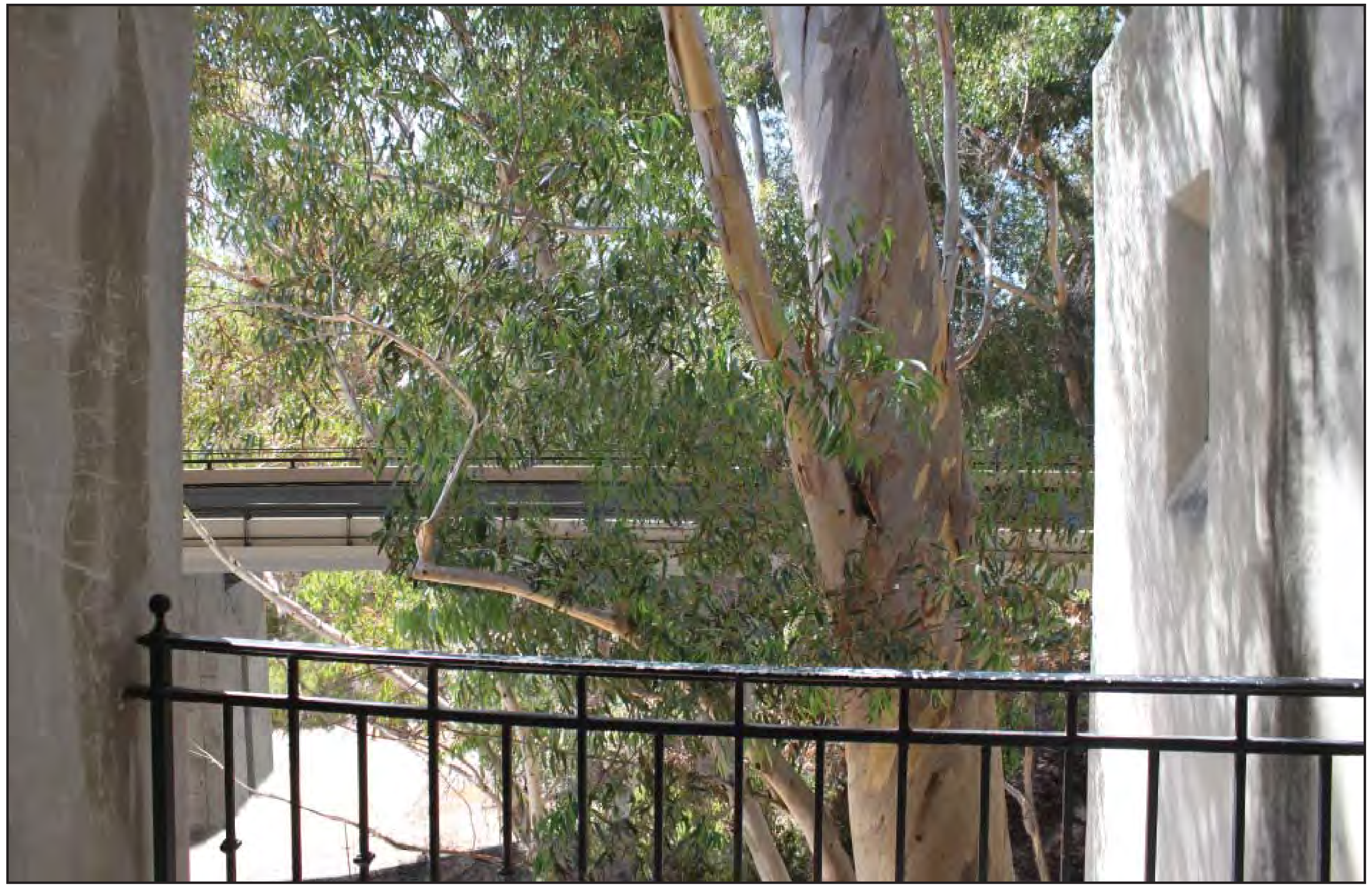
Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 12

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.



Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 13

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 14

RECON

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 15

Source: Heritage Architecture & Planning

Historic Photo

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

RECON

PHOTO LOCATION 16

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 17

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 18

RECON

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Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 19

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

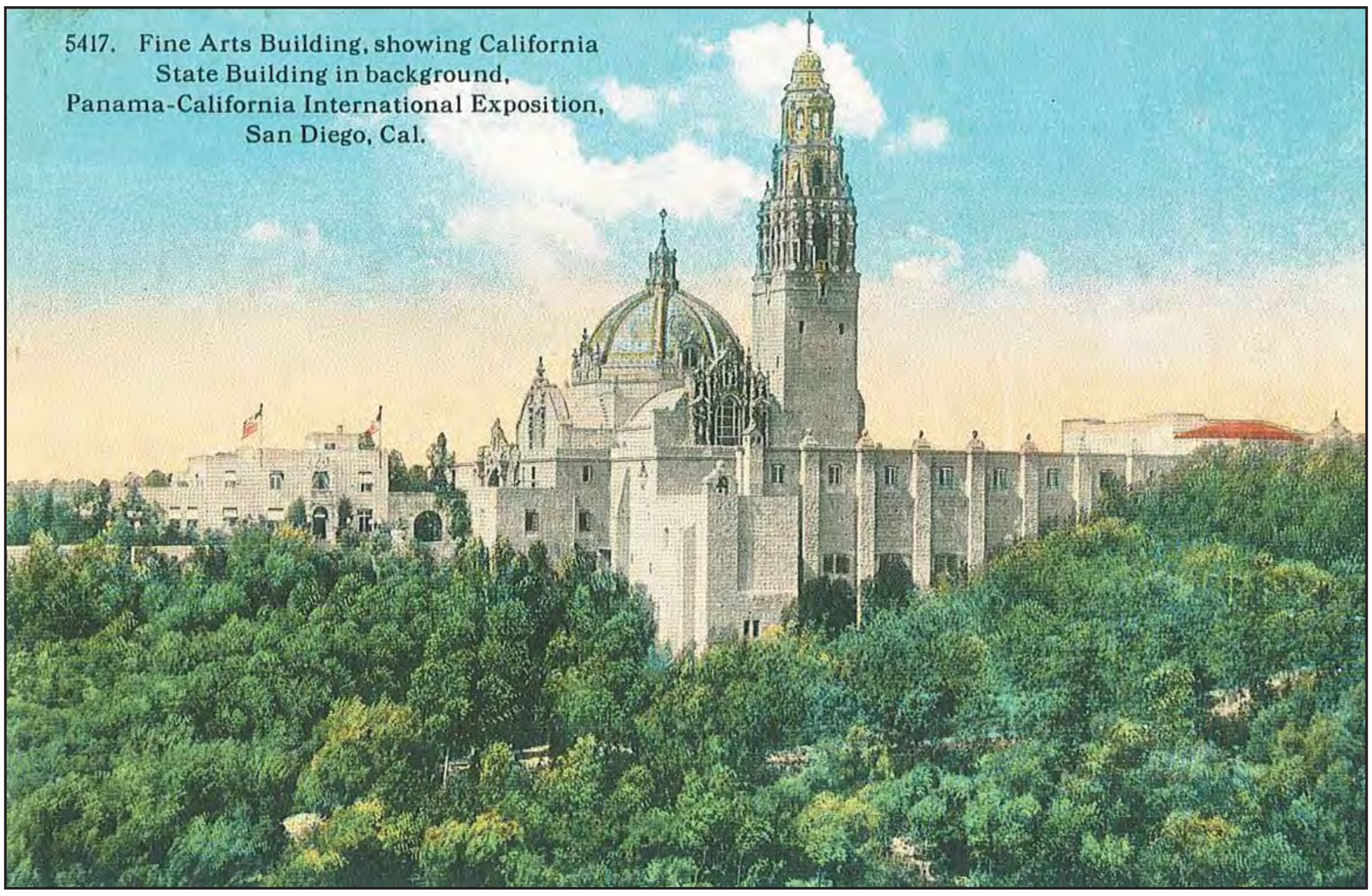
PHOTO LOCATION 20

RECON

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 21



Source: Heritage Architecture & Planning

Historic Photo

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

RECON

PHOTO LOCATION 22

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Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 23

RECON

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 24

RECON


Source: Heritage Architecture & Planning

Historic Photo

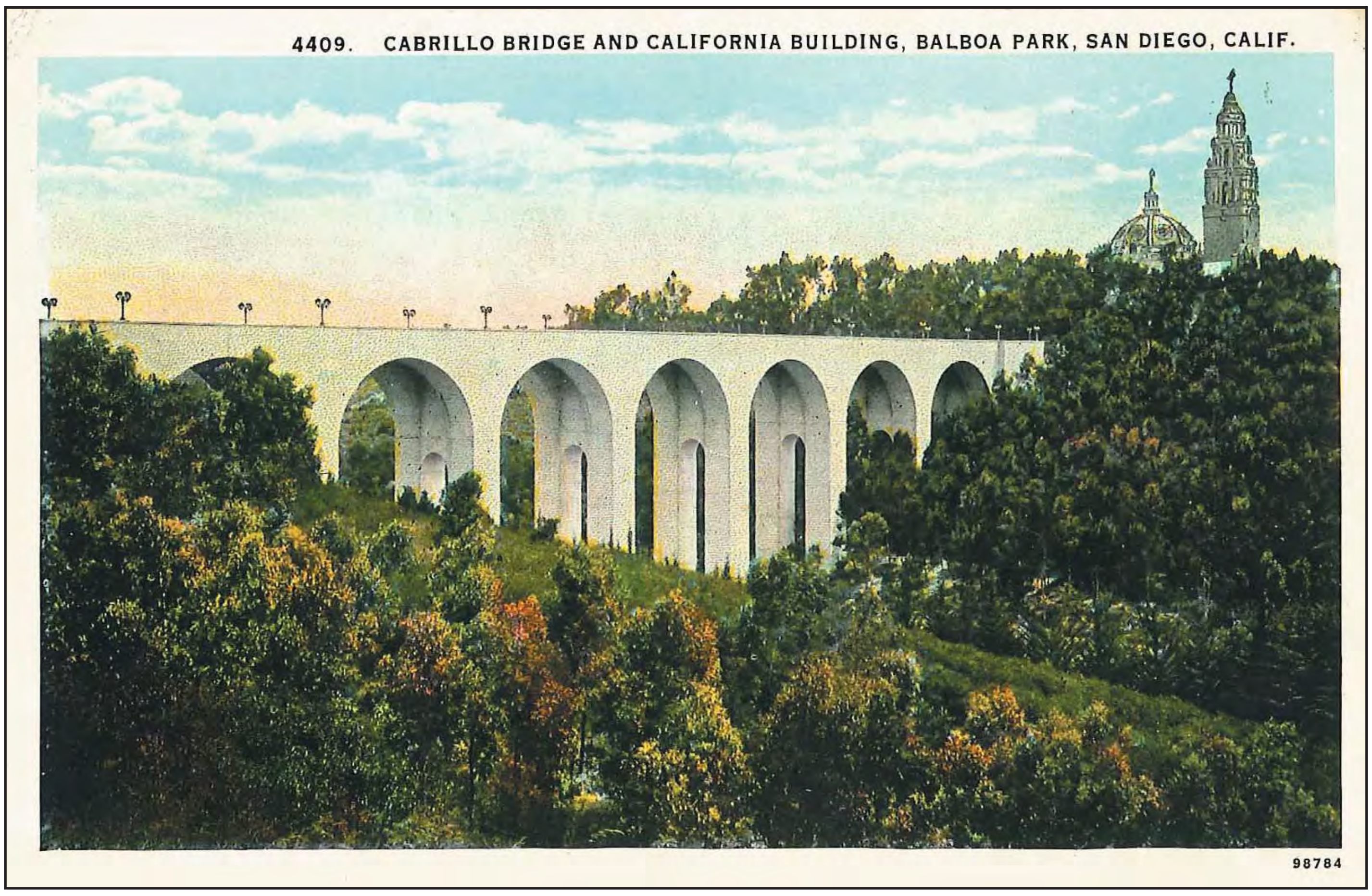

Source: Heritage Architecture & Planning

Existing Condition


Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

PHOTO LOCATION 25



Source: Heritage Architecture & Planning

Historic Photo

Source: Heritage Architecture & Planning

Existing Condition

Source: Civitas, Inc.

Existing Condition with Rendering of Centennial Bridge

RECON

PHOTO LOCATION 26

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 27

RECON

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 28

RECON

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 29

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Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 30

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 31

Source: Heritage Architecture & Planning

Historic Photo

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 32

Source: Heritage Architecture & Planning

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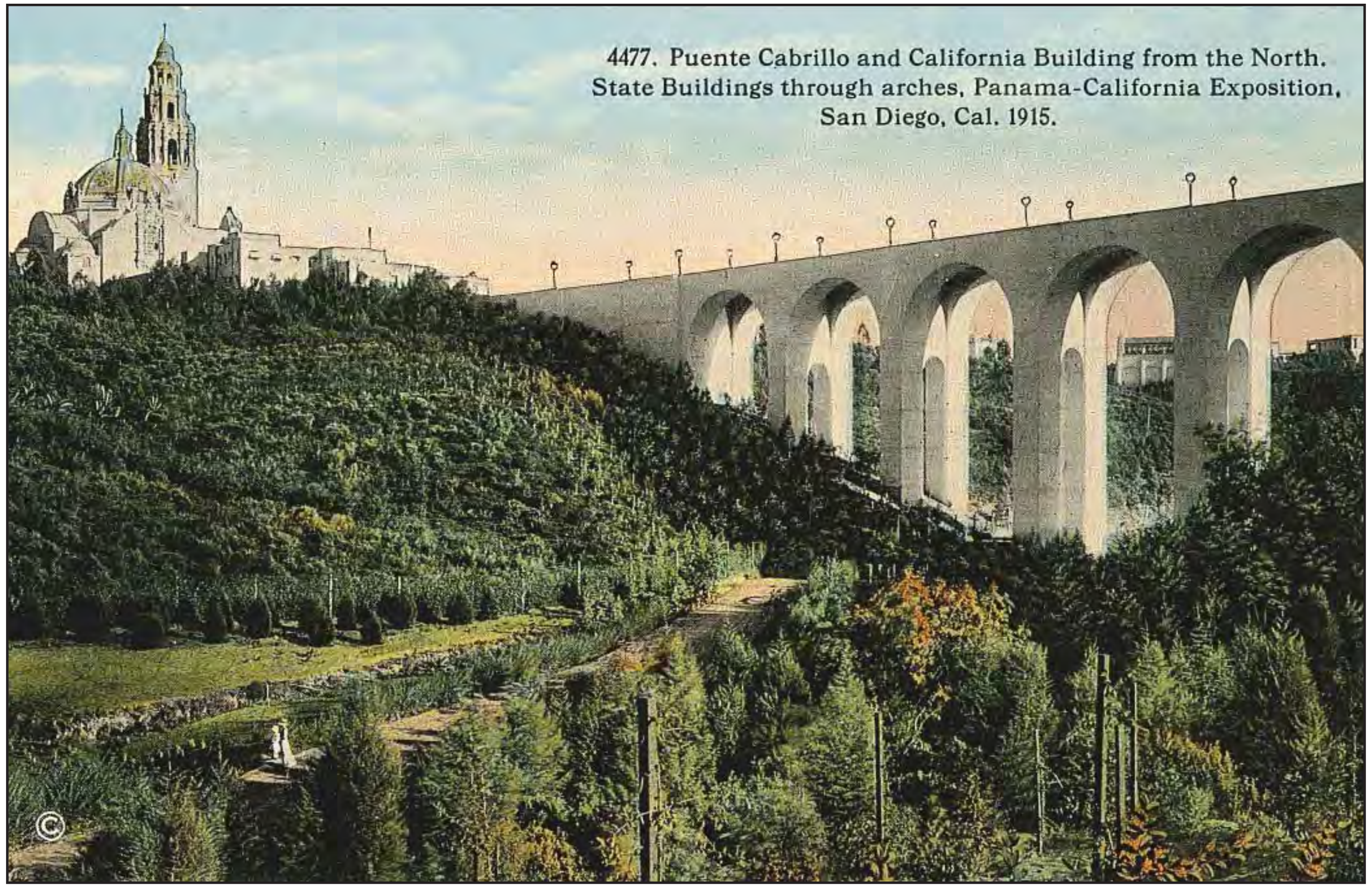
PHOTO LOCATION 33

Source: Heritage Architecture & Planning



Historic Photo

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 34

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 35

Source: Heritage Architecture & Planning

Historic Photo

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 36

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 37

Source: Heritage Architecture & Planning

Existing Condition, Centennial Bridge not Visible

PHOTO LOCATION 38

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APPENDIX D-1

Traffic Impact Analysis

The Traffic Impact Analysis is bound under separate cover.

APPENDIX D-2

Parking Demand Study

PARKING CONCEPTS INC

PARKING AND TRANSPORTATION ANALYSIS

BALBOA PARK
PLAZA DE PANAMA PROJECT

Prepared for:
Plaza de Panama Committee
San Diego, CA

April 29, 2012

BALBOA PARK

PLAZA DE PANAMA PROJECT

PARKING AND TRANSPORTATION ANALYSIS

APRIL 29, 2012

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EXECUTIVE SUMMARY

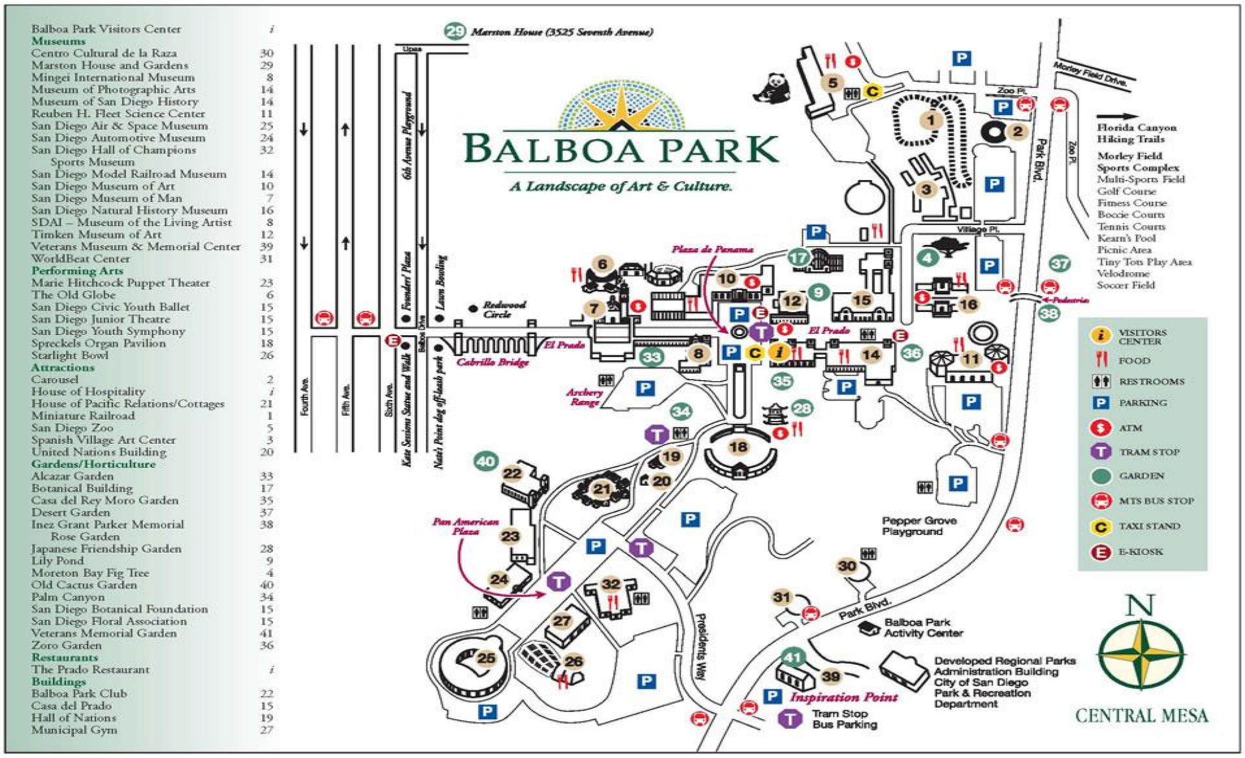
TEAM OF EXPERTS

This parking demand study was compiled by a team of experts in various disciplines, including parking design, engineering and operations, valet and self-parking management, and land use planning. This team of consultants has a wide and varied breadth of experience in consulting for complex development projects with shared parking uses. They have years of experience analyzing parking demands, including properties with multiple and varying peaks (instances in which vehicles arrive and depart at different times).

EXISTING PARKING ANALYSIS

The parking consultant team conducted an analysis of existing parking demand, parking services, and vehicular circulation at Balboa Park. Currently the self-park and valet parking areas are located in separate locations. Historical data indicates that less than one percent of arrivals to Balboa Park choose to valet park, while the remaining 99 percent of arrivals self-park or get dropped off. Generally, parking is managed without problems and is on a "first come, first served" basis. However, during large events, when the self-park parking lots near capacity, patrons will circulate throughout the more convenient Central Mesa lots looking for well-located parking spaces. Patrons will also divert to valet and tax the valet service, creating the potential for backups. In addition, a single entrance lane to the self-park and valet areas can create a bottleneck that obstructs on-site traffic flow and can create queuing during large events. Short stacking areas and antiquated design (as the existing parking lots were built decades ago) for self-park lots can also create on-site queuing situations. Figure i below provides an existing overview of Balboa Park.

Figure i: Map of Balboa Park (Parking Locations are Indicated by Ⓟ)



According to information provided by Old Globe senior staff, there were a total of 24 days in the past year when multiple large, simultaneous plays with 1,400 or more attendees were held at Balboa Park. In addition, other park institutions and major events create both traffic and parking related issues many days and evenings throughout the year.

PARKING DEMAND MODELING FOR NEW PROJECT

The proposed Balboa Park Plaza de Panama Project (Project) would redevelop and significantly reconfigure the park. The reconfiguration of a number of existing parking lots and their spaces is proposed. Proposed new construction includes a new multi-level subterranean parking structure to accommodate 797 parking spaces, new internal circulation driveways, and new landscaped areas, including returning the Plaza de Panama area and the current Organ Pavilion parking lot area to pedestrian use. The Project would implement changes to existing parking within the Central Mesa area. The Project would remove vehicular traffic and parking from the Plaza de Panama. This would result in a loss of 54 spaces. The existing Alcazar Parking Lot would be reconfigured for drop-off, loading, valet stacking, and disabled access parking. No general public parking would be permitted in this location. The reconfiguration would result in a net loss of 104 spaces. Overall, the Project would result in a net gain of 260 parking spaces within the Central Mesa, where demand for parking availability is the greatest.

Three parking demand models were created to analyze the Project. Each model is comprised of the following user groups:

- Theatre and performing art patrons;
- Park visitors (includes visitors to museums, gardens, attractions, nature trails and retail uses);
- Restaurant goers
- Organ Pavilion patrons;
- Special event attendees; and
- Employees.

Parking usage ratios for each of these users were determined by a combination of historical data for the Park (theatre patrons, employees, park visitors, restaurant patrons, and special event attendees), comparable ULI data, and San Diego Code requirements when applicable (restaurant patrons). The combination of historical data, comparable data, and Code requirements was used to determine maximum demand, as well as the fluctuations of demand depending on the hour of the day/night.

In addition to the above sources of date, we utilized information from the Parking Management Action Plan for Balboa Park – Central Mesa and Inspiration Point (Tilghman Group and Civitas, Inc. July 2006). Also, we relied on a number of surveys and information provided by the City of San Diego Park and Recreation Department staff members, including Park Rangers.

The parking models assume that destination points will be occupied at least 85 percent of capacity. Lastly, the models assume that the destination restaurant (El Prado) will utilize 323 parking spaces based on their current maximum capacity of 400 dining seats. This is a very conservative allocation and should be unlikely to be the case for a lunch/dinner/special event restaurant.

The differences among the models relate to the type and size of special events. The "special events" are typically multiple Old Globe Theatre functions, a performance at the Organ Pavilion, a special showing at one of the Park's museums or other institutions, or any combination of these types of events. These models were prepared for the following scenarios:

1. Projected parking demand for 84 days out of the year (77th percentile) for a 1,230-attendee event (mean event size for those 84 days).
2. Projected parking demand for worst case 24 days out of the year (93rd percentile) for a 1,448-attendee event (maximum event size during those 24 days).
3. Projected parking demand for worst case 12 days out of the year (97th percentile) for a 1,230-attendee event coupled with a 2,000-attendee afternoon concert at the Organ Pavilion (maximum event size during those 12 days).

These models grow progressively more conservative. The first model reflects the worst case scenario for about 108 days out of the year. That means that in 257 days out of the year, one can expect a better scenario (smaller events and less parking demand). The second model reflects the worst case scenario for about 24 days out of the year, and therefore in 341 days out of the year, one can expect a better scenario (smaller events and less parking demand). The third model reflects the worst case scenario for about 12 days out of the year, and therefore in 353 days out of the year, one can expect a better scenario (smaller events and less parking demand).

On the following page is a summary of the resultant total parking demand for the six models. This reflects the peak demand during the worst hour of the model day.

Table i: Parking Demand Summary Table

		Weekday						Weekend					
	Scenario	**1**		**2**		**3**		**4**		**5**		**6**	
	Inventory	1PM	%	1PM	%	1PM	%	11AM	%	11AM	%	3PM	%
Plaza de Panama	0	50		50		50		53		53		36	
Alcazar Garden	49	140		140		140		110		110		87	
New Parking Structure	797	362	45%	362	45%	362	45%	364	46%	364	46%	234	29%
Pan American Plaza	276	276	100%	276	100%	276	100%	264	96%	264	96%	139	50%
Federal Aerospace	509	254	50%	254	50%	254	50%	181	36%	181	36%	139	27%
Inspiration Point	1,264	742	59%	742	59%	742	59%	97	8%	97	8%	175	14%
Gold Gultch	43	2	5%	2	5%	2	5%	3	7%	3	7%	8	19%
Pepper Grove	120	117	98%	117	98%	117	98%	39	33%	39	33%	40	33%
Fleet Space Theatre	166	166	100%	166	100%	166	100%	164	99%	164	99%	104	63%
Casa de Balboa	86	82	95%	82	95%	82	95%	79	92%	79	92%	64	74%
Natural Museum Lot	98	98	100%	98	100%	98	100%	96	98%	96	98%	89	91%
Carousel Lot	292	247	85%	247	85%	247	85%	254	87%	254	87%	273	93%
Botanical Building	27	24	89%	24	89%	24	89%	22	81%	22	81%	21	78%
Additional Demand						952						952	
Total	3,727	2,560	69%	2,560	69%	3,512	94%	1,726	46%	1,726	46%	2,361	63%
Surplus		1,167	31%	1,167	31%	215	6%	2,001	54%	2,001	54%	1,354	37%

CONCLUSIONS

The parking team's analysis of the parking demand models, the proposed Balboa Park Plaza de Panama Project reconfiguration of existing parking facilities and construction of a new parking structure, and the Project's parking operations procedures has resulted in the determination that 3,727 parking spaces will be sufficient for the proposed Project.

Therefore, even in the worst case parking demand situation (Model No. 3), there would be a surplus of 215 spaces in lots located furthest from the core of the Park. This is a conservative estimate as there is an additional 150 vehicles that could be accommodated by using assisted valet operation maximization. Table i provides the detailed results of the demand analysis.

It is important to note that a successfully-parked parking facility is not just related to meeting parking demand. Minimizing vehicular circulation is equally related to providing the maximum amount of parking supply in locations that are most convenient to visitor destinations. Otherwise, visitors will circulate looking for the most convenient parking spaces.

A major component of The Plaza De Panama Project is the construction of a new three level parking structure. The footprint for the proposed subterranean parking facility is more than two and a half times the size than the present lot, which would provide sufficient public parking spaces, reduce the amount of visitors re-circulating (hunting) in lots trying to locate a convenient parking space (currently 1 out of 3 visitors to the Prado), enable easier circulation within the parking facility, and provide the valet operation with flexibility in the number of spaces allocated to that important parking option.

Providing and funding an efficient user-friendly tram service is another important element of the Project. The Plaza de Panama Project provides a very flexible tram system that will accommodate between 16 and 100 passenger tram sets that are able to address a number of issues associated with the existing tram service. These will be covered later in this study.

INTRODUCTION

BACKGROUND AND BALBOA PARK DESCRIPTION

Balboa Park, bounded by Upas Street to the North, 28th Street to the East, Russ Boulevard to the South, and 28th Street to the West, is named after the Spanish explorer, Vasco Núñez de Balboa, and consists of approximately 1,200-acres, making it the largest urban cultural park in San Diego, California. Figure 1 illustrates the location of the park within the City of San Diego. It was the location of both the 1915 Panama-California Exposition and the 1935 California Pacific International Exposition, each of which resulted in architectural landmarks for the park. The park contains a variety of cultural attractions including several museums, theaters, gardens, shops and restaurants, as well as the internationally renowned San Diego Zoo.

Figure 1: Site Location Map

The entire Balboa Park is a primary attraction in San Diego and the region. There are a number of Gardens in the Park including: Alcazar Garden, Botanical Building, Desert Cactus Garden, Casa del Rey Moro Garden, Inez Grant Parker Memorial Rose Garden, Japanese Friendship Garden, George W. Marston House and Gardens, Palm Canyon, and Zoro Garden. In addition, many of the park's cultural attractions are along El Prado, a long, wide promenade and boulevard running through the center of the park. Along this boulevard are many of the park's museums and cultural attractions, including the San Diego Museum of Man, the San Diego Museum of Art, the Museum of Photographic Arts, the San Diego Art Institute, the San Diego Model Railroad Museum, the San Diego Natural History Museum, the San Diego Historical Society, the Reuben H. Fleet Science Center, and the Timken Museum of Art. Other features along El Prado include the Reflection

Pond, the latticed Botanical Building, and the Bea Evenson Fountain. Adjacent to the promenade is the San Diego Air & Space Museum.

Theatrical and musical venues include the Spreckels Organ Pavilion, featuring the world's largest outdoor pipe organ; the Old Globe Theatre complex, which includes a replica of Shakespeare's Globe Theatre as well as an outdoor stage and a Theatre in the round; and the Starlight Bowl - an outdoor amphitheatre. The Casa Del Prado Theater is the home of San Diego Junior Theatre, the country's oldest children's theatre program. The Botanical Building, a very large greenhouse, was built in 1915 from a design by Carleton Winslow.

Located in the northeast corner of the park is the Morley Field Sports Complex. Included in this complex are the Balboa Park Golf Complex, with an 18-hole golf course and 9-hole executive course; the San Diego Velodrome, baseball fields; the Balboa Tennis Club and tennis courts, archery ranges, and the Bud Kearn swimming pool. Among the institutions and facilities within the park's borders but not administered by the city's Parks Department are the world famous San Diego Zoo, the Naval Medical Center San Diego (NMCSD), and San Diego High School.

Some of the buildings and infrastructure constructed for the Panama-California Exposition which still remain, include:

- Cabrillo Bridge
- California State Building and Quadrangle (now the Museum of Man)
- Administration Building (now the offices of the Museum of Man)
- Botanical Building
- California Bell Tower
- New Mexico Building (now the Balboa Park Club)
- Spreckels Organ Pavilion
- California Pacific International Exposition

Balboa Park’s second big event, the California Pacific International Exposition, came in 1935 when it hosted yet another world’s fair. Balboa Park was reconfigured and included the construction of many new buildings, some to be permanent. Facilities added at that time and still in use include the Old Globe Theatre, the International Cottages, and the Spanish Village.

Buildings from both expositions now make up a National Historic Landmark District, which is perhaps the most intact world's fair-exposition site remaining in the nation.

EXISTING CONDITIONS

BALBOA PARK INSTITUTIONS, MUSEUMS, AND OTHER USER GROUPS

The Balboa Park, and specifically the Central Mesa, is comprised of several components, including museum, theatre, restaurant, and retail. Table 1, below, provides a summary of the Balboa Park make-up, as well as our assumptions as to maximum vehicle demand each component generates.

Table 1: Balboa Park Use Summary

Park Component	Capacity	Ratio	Vehicles
Museums	500	2.25	222
Performing Arts	1,448	2.1	690
Spreckel's Organ	2,000	2.25	889
Attractions	250	2.25	111
Gardens	275	2.25	122
Recreation	170	1.6	106
Restaurants	850	2.25	378
Trails	100	2.25	44
Amenities	50	2.25	22

EXISTING PARKING CONDITIONS

Patrons, visitors and employees wishing to park in the Central Mesa enter Balboa Park by driving on the Cabrillo Bridge/El Prado from the west, or Park Boulevard from the east, via President's Way. Based on traffic surveys recently conducted by Rick Engineering and reported in the Traffic Analysis document for this Project (Exhibit 5, page 8), there are 5,700 vehicles entering the Park via the Cabrillo Bridge and 7,900 vehicles entering the Park via Presidents Way on a typical weekday. Weekend volumes are 6,700 vehicles and 11,000 vehicles, respectively (Exhibit 6, page 9).

As visitors (and staff/employees) enter the Park, they begin the process of locating available parking that is convenient to their destination. Since a large number of the most-attended institutions are in the Central Mesa area, a majority of the vehicles entering the Park, from both the west (via the Cabrillo Bridge/El Prado) and the east (via Presidents Way) are trying to find parking convenient to the Central Mesa/Prado area.

According to the 2004 Jones and Jones Balboa Park Study, within the Central Mesa, the Prado area generates over 80% of the parking demand and supplies only 29% of the parking supply (Appendix E – Figure 3: Parking Supply and Demand, page 61). This imbalance between the parking demand and parking supply in the Prado is the major factor in the amount of vehicles circulating (or "hunting") for available parking spaces conveniently located to their destination. According to the 2004 Jones and Jones Study (page 60), it is estimated that one in three vehicles circulate or "hunt" for available parking spaces in the Plaza de Panama Lot, Alcazar Gardens Lot, and the Organ Pavilion Lot due to the imbalance between the parking supply/demand. The study also reports that the parking demand in the Prado area exceeds the parking supply by a 3 to 1 ratio. Since this has been a long-term situation, many visitors to Balboa Park become confused and frustrated over the perceived lack of parking in the Central Mesa.

As referenced above, visitors to the Central Mesa look for the most convenient parking to their destination. As a result, the lots serving the most popular destinations fill up first. Table 2 below indicates occupancy levels for the Central Mesa lots according to information provided by Park and Recreation staff members assigned to Balboa Park in e-mail dated 11/12/2010:

Table 2: Existing Parking Occupancy Projections

Parking Utilization Summary

Parking Lots	Number of Spaces* Standard/ADA	Existing Utilizations	Comments - Summary
Plaza de Panama	33/21	8am-9pm 7 days per week @ 100%	Primary day use is museum staff, between 5pm – 9pm the lot is primarily used for Prado restaurant and Old Globe patrons, valet parking will utilize open spaces. Quite a bit of taxi, bus, pick up, drop off, tram and special event use. Prime ADA parking and location of current valet lanes
Alcazar Garden	131/5	8am-9pm 7 days per week @ 100%	Primary day use is museum staff, 10% turnover during the day, 100% turnover between 5pm-9pm primarily for Prado Restaurant and Old Globe patrons, some pick up, drop off, delivery and special event use
Organ Pavilion	357/10	9:30am-5pm Mon-Fri 85% 5pm-9pm Mon-Fri 65% 9:30am-5pm Sat & Sun 125%	Primarily park patrons, some museum staff use. The lot fills up after the Plaza de Panama and Alcazar lots, but before the Palisades (Pan Am). Lot is full on monthly Free Tuesdays, busy weekends, and during special events.
Palisades/Pan American	260/16	9:30am-5pm Mon-Fri 65% 5pm-9pm Mon-Fri 40% 9:30am-5pm Sat & Sun 85%	Primarily park patrons who are attending Palisades Buildings, 20% of regular users are museum staff and City employees, some pick up, drop off, taxi and bus use, Lot will fill up during special events. Park tram use
Federal Building	491/18	9:30am-5pm Mon-Fri 40% 5pm-9pm Mon-Fri 25% 9:30am-5pm Sat & Sun 40%	Primarily park patrons who are attending Palisades Buildings, 50% of regular users are museum staff who typically park in the spaces behind the Air and Space Museum
Inspiration Point	1,244/20	9:30am-5pm Mon-Fri 65% 5pm-9pm Mon-Fri 25% 9:30am-5pm Sat & Sun 40%	Upper lot is full during the week with Naval Hospital employees, middle lot is typically used for overflow of hospital employees and staff. Lower lot is used for overflow from City College during school year. Tram use and stop.
Valet Lanes at PdP		Hours of Operation: Tues – Fri 4pm-2am Sat – Sun 9am-2am	Utilization is dependent upon Prado restaurant, Old Globe and special event activity. 12 stalls, no revenue to City

* As of 2/18/2011 Survey

The existing parking supply/demand situation is reflected in the Table 2 above. That is, the first lots to reach maximum occupancy levels are the lots located closest to the Prado area of the Central Mesa. As indicated with the parking occupancy information provided by the City Park and Recreation Department staff, these lots are at capacity a majority of the time during weekdays, weekends, and during special events. Typically, the lots in the Central Mesa reach capacity in the following order:

1. Plaza de Panama (this lot is at capacity every day)
2. Alcazar Garden (this lot is at capacity every day)
3. Organ Pavilion (this lot is at capacity during most special/large events)
4. Pan American (Palisades)
5. Federal Building Lots
6. Inspiration Point Lots

Not surprisingly, the order these lots reach maximum occupancy is directly related to their distance from the center of the Park (The Prado area). Please refer to Table 3 for the approximate distance from each of these lots to the Plaza de Panama is as follows:

Table 3: Distance from Parking Lots to Plaza de Panama Area

Parking Lot	Distance from Plaza de Panama
Plaza de Panama Lot	NA
Alcazar Garden Lot	600 LF
Organ Pavilion Lot	1,200 LF
Pan American (Palisades) Lot	1,400 LF
Federal Building Lots	1,700 LF
Sefton Plaza/Balboa Drive	2,200+ LF
Inspiration Point Lots	2,400 LF

Figure 2: Vehicle Surface Lot Parking in Plaza de Panama

One of the main factors affecting the existing parking demand in the Prado area is the location of the major Park museums and other institutions. Some of the most-visited sites are centrally located near the Prado. Figure 2 is an example of the high demand area at the Plaza de Panama. Refer to Table 4 below for the 2002 annual attendance for the key Balboa Park institutions (from the 2004 Jones and Jones Study, page 78).

Table 4: Cultural Institutions' 2002 Annual Attendance

Cultural Institution	2002 Attendance*
House of Hospitality	483,262
Fleet Space Theatre	464,449
Museum of Art	335,477
Museum of Man	221,861
Old Globe Theatre	218,119
Natural History Museum	214,735
Aerospace Museum	149,838
Photographic Arts	96,826
Japanese Garden	96,209
Automotive Museum	95,824
Model Railroad Museum	95,805
Mingei Museum	91,405
Timken Art Gallery	87,089
Historical Society	62,165

* Provided by the Balboa Park Cultural Partnership

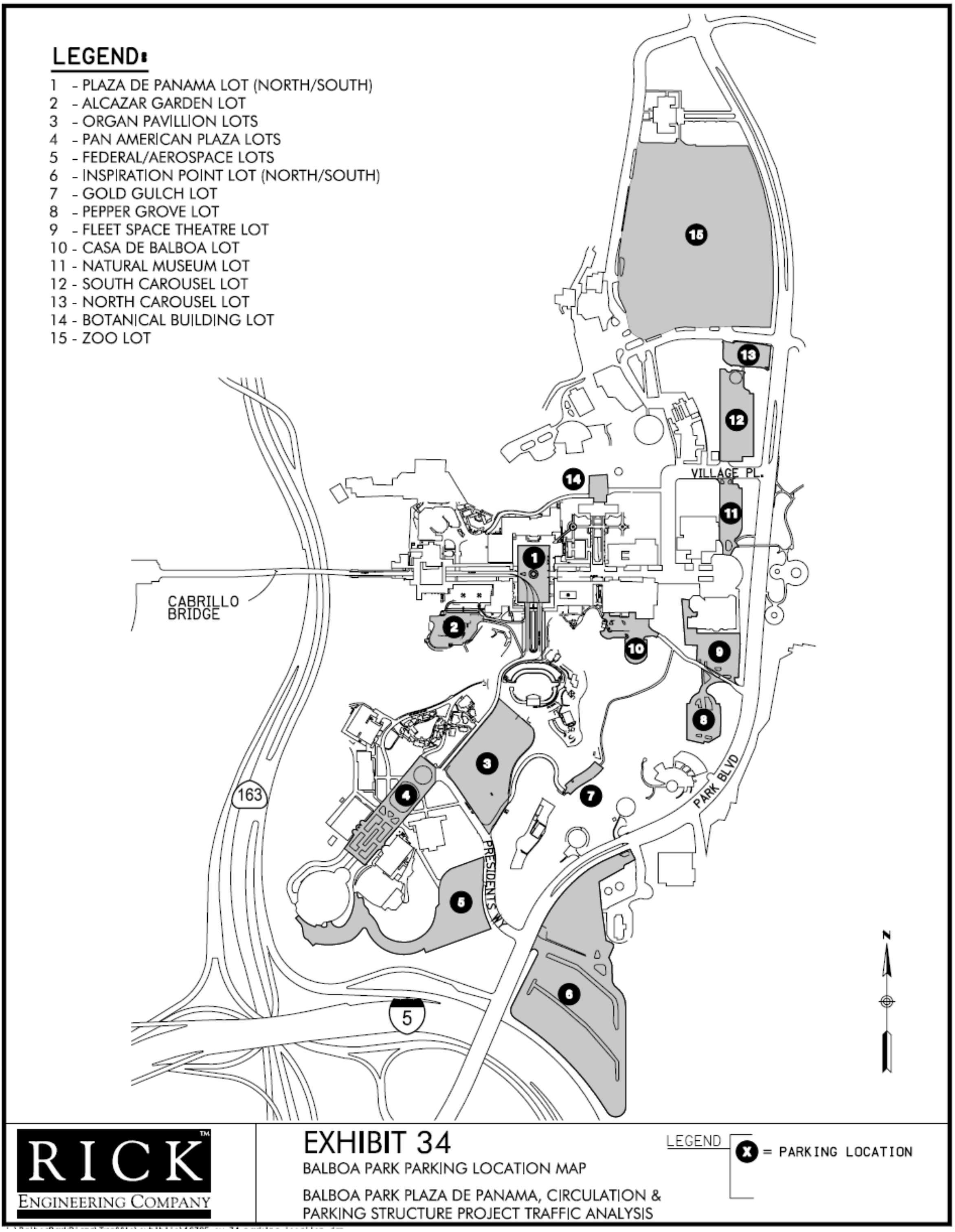
EXISTING PARKING OPTIONS

Balboa Park's parking supply is made up of both self (free) and valet parking (paid). There are fifteen surface lots located throughout the Park. Visitors preferring to have their vehicles valet parked proceed to the valet porte-cochere at the apex of the Prado Restaurant's front drive. They are given a claim ticket and their vehicles are parked by the valet attendants in several parking lots located in the park. Figure 3, below provides a drawn aerial view of the Park's existing parking lot locations.

It is important to note that a majority of the parking lots near the Prado area are smaller with less parking supply compared to the more remote lots. This fact contributes to, and causes the disparity between the actual parking supply and demand within the core of the Park. Once these relatively smaller parking lots are fully occupied, later arriving visitors begin the recirculation process to locate convenient available parking spaces.

The largest reservoir of parking serving the Central Mesa is located at the Inspiration Point Lots, at the southeast corner of the intersection of Park Boulevard and Presidents Way. Due to the distance from the center of the Park (the Prado area), there is currently a tram service providing transportation from the parking lot to the Prado.

Figure 3: Site Map of Existing Parking Locations

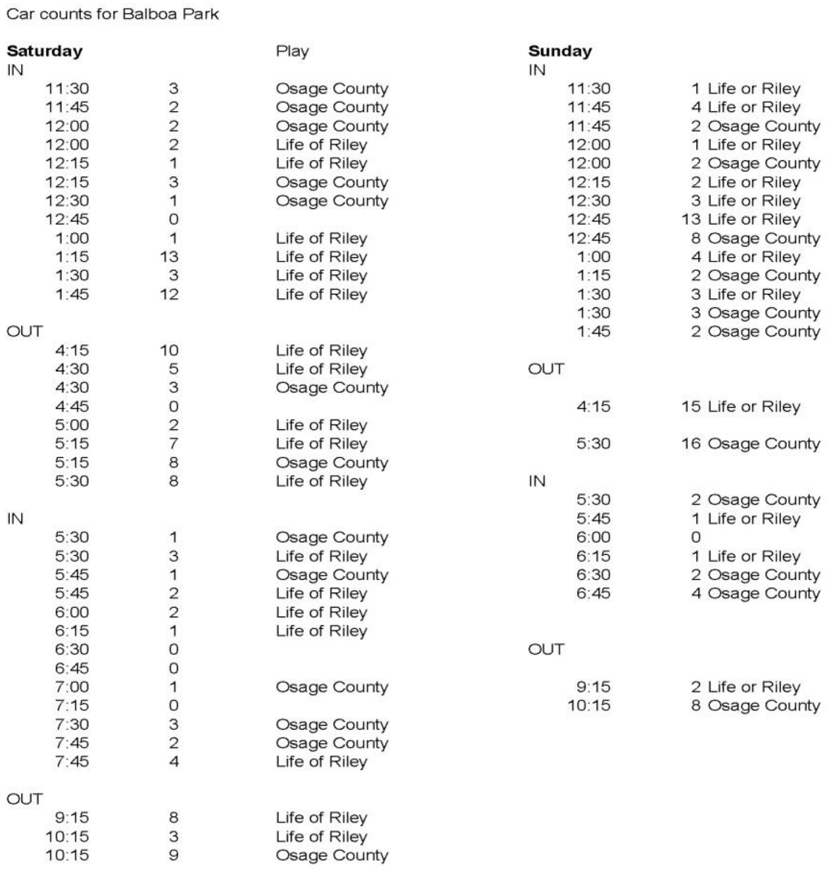


EXISTING VALET PARKING OPERATIONS

Beginning in 2001, primarily as a service to customers of the Prado Restaurant, valet parking has grown into a self-sustaining service offering a parking option to visitors at the Plaza de Panama. Currently catering primarily to restaurant and Old Globe patrons, special event attendees, and other wanting or needing the convenience of valet parking, the valet service handles up to 240 vehicles per day, according to its operator, Sunset Parking Service.

Figure 4 below reflects the typical valet demand during weekend performances at the Old Globe. This activity was recorded during the weekend of May 14 and May 15, 2011.

Figure 4: Typical Weekend Afternoon Old Globe Patron Valet Demand



Car counts for Balboa Park

Saturday		Play
IN		
11:30	3	Osage County
11:45	2	Osage County
12:00	2	Osage County
12:00	2	Life of Riley
12:15	1	Life of Riley
12:15	3	Osage County
12:30	1	Osage County
12:45	0	
1:00	1	Life of Riley
1:15	13	Life of Riley
1:30	3	Life of Riley
1:45	12	Life of Riley
OUT		
4:15	10	Life of Riley
4:30	5	Life of Riley
4:30	3	Osage County
4:45	0	
5:00	2	Life of Riley
5:15	7	Life of Riley
5:15	8	Osage County
5:30	8	Life of Riley
IN		
5:30	1	Osage County
5:30	3	Life of Riley
5:45	1	Osage County
5:45	2	Life of Riley
6:00	2	Life of Riley
6:15	1	Life of Riley
6:30	0	
6:45	0	
7:00	1	Osage County
7:15	0	
7:30	3	Osage County
7:45	2	Osage County
7:45	4	Life of Riley
OUT		
9:15	8	Life of Riley
10:15	3	Life of Riley
10:15	9	Osage County

Sunday		
IN		
11:30	1	Life or Riley
11:45	4	Life or Riley
11:45	2	Osage County
12:00	1	Life or Riley
12:00	2	Osage County
12:15	2	Life or Riley
12:30	3	Life or Riley
12:45	13	Life or Riley
12:45	8	Osage County
1:00	4	Life or Riley
1:15	2	Osage County
1:30	3	Life or Riley
1:30	3	Osage County
1:45	2	Osage County
OUT		
4:15	15	Life or Riley
5:30	16	Osage County
IN		
5:30	2	Osage County
5:45	1	Life or Riley
6:00	0	
6:15	1	Life or Riley
6:30	2	Osage County
6:45	4	Osage County
OUT		
9:15	2	Life or Riley
10:15	8	Osage County

The valet drop-off/pick-up area is located in the Plaza de Panama lot, directly to the west of the Prado Restaurant. Figure 5 provides the location of the existing valet zone. There are currently 12 marked spaces for valet staging in the Plaza de Panama lot. With the existing demand for the valet service, the current valet allocation for drop-off and pick-up is not adequate. Please refer to Figure 5 below for the location of the valet zone.

During busy hours (weekend afternoons and evenings, special events at any number of the institutions in the Prado), there are traffic and circulation problems. These include the valet operator reaching an operational capacity due to the existing number of staffing spaces. This situation can cause gridlock in certain areas of the Plaza de Panama lot. Traffic backups occasionally reach the west end of the Cabrillo Bridge.

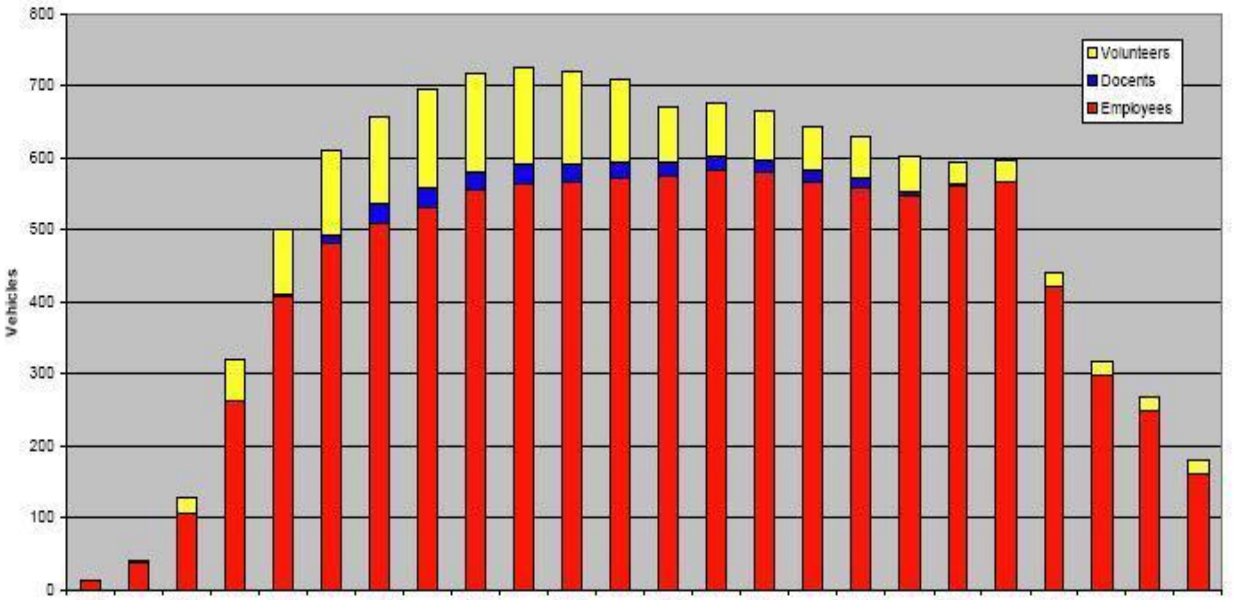
Based on the overall demand for parking in the Park, the valet operator may use the Alcazar Lot, Organ Pavilion Lot, Pan American Lot, Federal Building Lots, and in some cases, the Inspiration Point Lots. Obviously, the further the lot is from the Plaza de Panama, the operation becomes less efficient and fewer vehicles can be valet parked. In addition, service delivery times can increase dramatically based on the location of the staged vehicles. Although the existing valet service area is well-located for the operator's current customer base, the location has limitations regarding the number of available drop-off/pick-up spaces which directly impacts the number of vehicles that can by parked during any particular period or event.

Figure 5: Site Map of Existing Valet Location

EXISTING EMPLOYEE PARKING

One of the largest impacts on existing parking availability in the Central Mesa in general, and the Prado area specifically, is the number of institution employees parking in the most desirable lots as described above. On peak weekdays, it is estimated that over 700 employee vehicles are parked in Balboa Park lots, including over 550 spaces in the Prado alone (Tilghman Group/Civitas Inc. Parking Action Management Plan, July 2006, page 9). Figure 6 below illustrates the number of vehicles occupying parking spaces for employees/docents/volunteers by hour on a peak weekday.

Figure 6: Employee/Docent/Volunteer Parking by Hour – Peak Day (Thursdays)



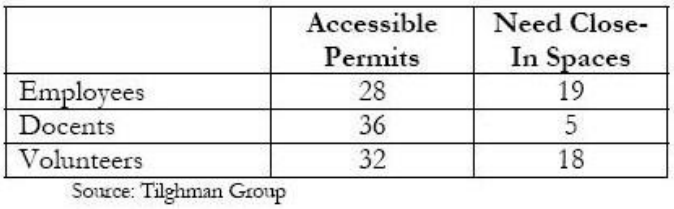
Source: Tilghman Group

As the figure indicates, the total number of employee vehicles parked is in excess of 700 on a weekday. The other significant data on Figure 6 is the actual arrival times for these parkers. Based on a 2004 survey of employees done by the Balboa Park Cultural Partnership, 82% of employees reported arriving by 9:00am and parking in lots close to their place of work. This represents over 550 parking spaces at the Prado alone being used by employees by 9:00am, leaving few spaces for visitors arriving after that time (Tilghman Group/Civitas Inc. Parking Action Management Plan, July 2006, page 7). A large majority of visitors arrive after 9:00am since most institutions are not open until 10:00am.

Based on the early arrival time of employees and the resulting lack of available spaces near the main visitor destinations, an imbalance exists between the average walking distance of employees compared to Balboa Park visitors. Visitors walk an average of 1,435 feet from parking space to their destination. Employees at the Prado area institutions walk an average of 565 from parking space to destination.

In addition to these overall employee parking demand statistics, it should be noted that a relatively large number of the employee/docent/volunteer parkers utilize the ADA accessible and other "close in" parking spaces. Table 5 below highlights the number of these parking spaces as reported by the institutions.

Table 5: Employee/Docent/Volunteer Close In Parking Needs



	Accessible Permits	Need Close-In Spaces
Employees	28	19
Docents	36	5
Volunteers	32	18

Source: Tilghman Group

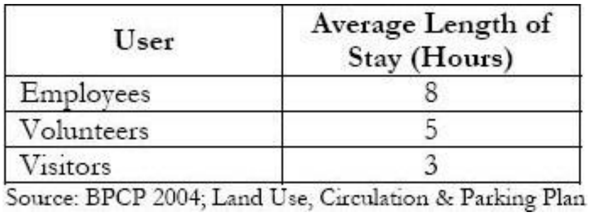
Based on daily work schedules, employees, docents and volunteers use up to 60 accessible (ADA) spaces at one time. This leaves 73 accessible spaces for other users (visitors). (Tilghman Group/Civitas Inc. Parking Action Management Plan, July 2006, page 10).

This situation highlights another negative impact from employee parking on the overall parking supply in the Central Mesa and Prado. That is, in addition to the number of "standard" parking spaces taken up early in the day by employees, the "accessible" spaces are also used at a disproportionate rate by these early arrivers. The actual inventory of accessible spaces is very low by the time park visitors start arriving after 10:00am.

LENGTH STAY RESULTS ON EXISTING EMPLOYEE PARKING

The average length of stay measurement for the various user groups has a tremendous impact on the overall parking supply and demand. Please refer to Table 6 below for a summary of the average length of stay for park users.

Table 6: Users' Average Length of Stay



User	Average Length of Stay (Hours)
Employees	8
Volunteers	5
Visitors	3

Source: BPCP 2004; Land Use, Circulation & Parking Plan

When employees arrive first and take prime parking spots, they displace other users for the entire workday. This has a compounding effect: one employee vehicle displaces 2.7 visitor vehicles. Furthermore, visitor vehicles carry an average of 3 people, so a total of 8 visitors are displaced by a single employee. Considering the 550 spaces used by employees at the Prado, over 4,000 visitors per day are prevented convenient parking in lots close to their destinations. (Tilghman Group/Civitas Inc. Parking Action Management Plan, July 2006, page 11).

EXISTING TRAM (AKA RED TROLLEY)SERVICE

The existing shuttle (tram) service began operating in 1991. Recommended by the Balboa Park Master Plan, its purpose is to reduce traffic the park's heavily used pedestrian areas. The free tram service provides access to Balboa Park's museums and attractions. You can park in the Inspiration Point lot and wait at Tram Central, a shady arbor with benches. The tram will deliver you to into the heart of Balboa Park.

Trams pick up from the designated Tram boarding area in the Inspiration Point Lot and Plaza de Panama Lot every 8-10 minutes (at peak times 20-40 minutes). Riders may also board at one of the designated pick-up areas around the Park.

Summer hours of operation are from June 1 through October 31, Tuesday through Sunday from 8:15 a.m. to 8:00 p.m. Monday the tram runs from 8:15 a.m. to 6:30 p.m. Fall/Winter hours of operation are from November 1 through May 31 daily, from 8:15 a.m. to 5:15 p.m.

The Balboa Park Tram is provided as a free public service by the City of San Diego Park and Recreation Department. The City Park and Recreation Department currently subsidizes this tram service by approximately $300,000 per year from the City's Transient Occupancy Tax (TOT) ($250,000) and the General Fund ($50,000).

The existing vehicles are 30-passenger buses with an old trolley appearance. This is a durable vehicle based on a small transit chassis. Four vehicles are assigned to Balboa Park operations. The operator, whose main business is running narrated tours in the San Diego area, provides these vehicles. As such, the vehicles are designed for tour passengers, not shuttle riders. They feature open-air operation with rain curtains when necessary, and operate with natural gas fuel for clean running. However, they also have a high floor with multiple steps, a single door at the front, and a separate wheelchair lift near the back. Standing passengers are not allowed for insurance reasons. These features prevent rapid boarding and unloading, and prove difficult for people with young children, with strollers, and for persons who do not easily manage stairs (Tilghman Group/Civitas Inc. Parking Action Management Plan, July 2006, page 17).

The existing vehicles have a single door at the front of the tram. This design element prevents rapid loading and unloading, thus creating longer cycle times and/or increased number of trams. This is a major limitation of a vehicle in this type of application (periods of high demand and a large percentage of families with small children and older, less mobile visitors).

Please refer to Figure 7 on the following page for a graphic representation of the current tram vehicle, and to Figure 8, on the next page, for a service route map for the existing tram service.

Figure 7 – Existing Tram (Red Trolley) Service

Figure 8 – Existing Tram (Red Trolley) Route

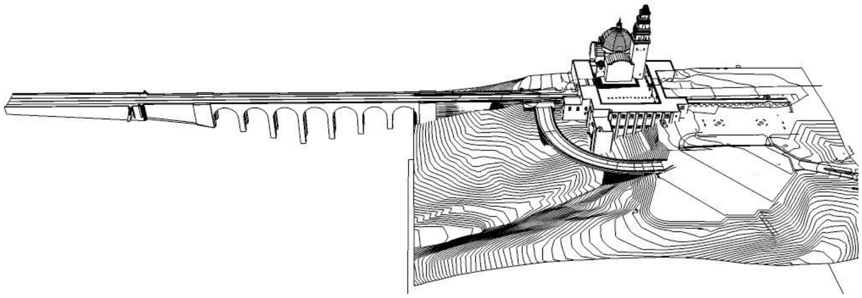
PROPOSED PLAZA DE PANAMA PROJECT

PROPOSED PROJECT

The following new components would be constructed:

- The Centennial Bridge from Cabrillo Bridge (see Figure 9 below);
- A new subterranean parking structure containing 797 spaces;
- New traffic driveways within the Central Mesa to connect the Centennial Bridge and new parking structure
- Landscaping and pedestrian amenities.

Figure 9: Rendering of Proposed Centennial Bridge



The Esplanade and Pan American Road are currently used to provide vehicular connection around the Organ Pavilion to Presidents Way and Park Boulevard. The proposed new design would reclaim both the Esplanade and Pan American Road for pedestrian (and tram) access by rerouting vehicle traffic to the Centennial Road west of Pan American Road. The project would rehabilitate the Esplanade according to its 1915 design intent, re-proportioning the lawns, walkways, and tree pattern to be consistent with the historic design while accommodating managed vehicle use (tram and emergency or special event vehicles only).

Pan American Road would be converted to a tram and pedestrian route connecting the Esplanade to the Organ Pavilion, the Palisades, and the proposed new formal gardens and park atop the parking structure. The Centennial Bridge would allow vehicles to pass below the pedestrianized Pan American Road to access the east side of the new underground parking structure below. The new dedicated pedestrian way would be shared with a new tram system, which would shuttle visitors from the new parking structure to the Plaza de Panama.

Under the project, the large existing surface parking lot southwest of the Organ Pavilion would be the site for the new underground parking structure which would provide 797 parking spaces on three levels with a rooftop park. The Project would result in an overall net gain of 260 parking spaces for the Central Mesa.

Implementation of this proposed parking structure would provide central and convenient parking to the museums and other park amenities below finished grade in order to create approximately two acres of new park and garden space on the surface of the structure.

The proposed Plaza De Panama Project plans to enhance the Park will not change the parking demand. However, it will provide a number of enhancements to parking options available to Park visitors and improve guest experience, including providing more readily-available parking in the most convenient location. Figure 10 below provides a look at an overlay of the Proposed Project.

Figure 10: Overlay of Proposed Project

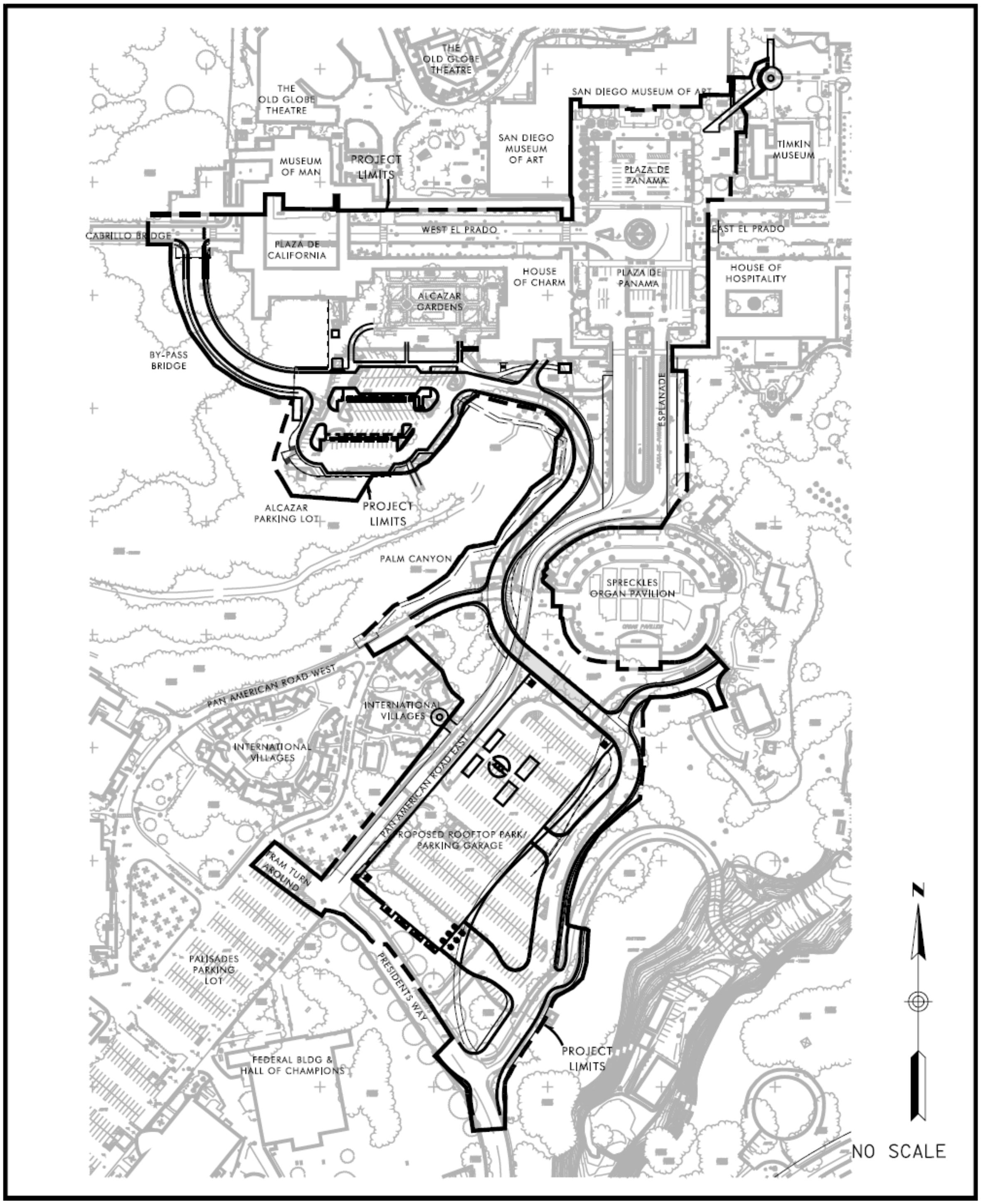


Figure 11 below illustrates a view of the Project's proposed Centennial Bridge. Note that the Centennial Bridge is not visible from the Cabrillo Bridge roadway.

Figure 11: Rendering of Proposed Centennial Bridge

PROPOSED PROJCT PARKING STRUCTURE

The main parking component of the Plaza de Panama Project is the replacement of the existing Organ Pavilion parking lot with a three level underground parking structure. The new parking structure will provide a total of 797 parking spaces. The Project will produce a net gain of 260 parking spaces in the Central Mesa. Table 7 below, summarizes the changes in parking space counts.

Table 7: Proposed Parking Space Summary and Comparison

Parking Spaces	Existing	Proposed	Net Change
Surface	3,477	2,940	-537
Parking Structure	0	797	797
Totals	**3,477**	**3,737**	**260**

PROPOSED PROJCT PARKING LOT CHANGES

The Project includes converting the Plaza de Panama from vehicle traffic, parking, valet drop-off, and pedestrian use to pedestrian use only. These changes will involve relocating the standard parking spaces to the new parking structure. The ADA accessible spaces will be relocated to the reconfigured Alcazar Garden Lot. The valet drop-off area will also be relocated to the Alcazar Garden Lot.

The Alcazar Garden Lot will also be reconfigured as an important element of the Project. All standard parking spaces will be relocated to the new parking structure. The existing ADA accessible spaces will be expanded to accommodate the relocated spaces from the Plaza de

Panama Lot. Also, a new valet drop-off zone will be created that will provide approximately twice the capacity for this service. Visitor drop-off areas will also be included in the Alcazar Garden Lot. The net effect of the proposed changes to the parking lots in the Project area will result in a net increase of 260 spaces. The allocation of these changes is outlined in Table 8.

Table 8: Proposed Project Parking Space Summary by Type

Parking Facility	Existing Configuration			Proposed Project Configuration			Net Change +(-)
	Std.	ADA	**Total**	Std.	ADA	**Total**	
Plaza de Panama (1)	33	21	54	0	0	0	(54)
Alcazar Garden	131	5	136	0	32	32	(104)
Organ Pavilion Lot	357	10	367	0	0	0	(367)
Organ Pavilion Parking Structure	0	0	0	781	16	797	797
Presidents Way (On Street)	22	0	22	10	0	10	(12)
Total Project	**543**	**36**	**579**	**791**	**48**	**839**	**260**

(1) "Existing Configuration" stall counts do not include the following:
- Six (6) "Loading" stalls/Six (6) "Motorcycle" stalls
- One (1) "Taxi" stalls

EFFECT OF PAID PARKING ON OTHER (NON-PAID) PARKING LOTS

There will be a fee to park in the new parking structure. At the present time, we are proposing a flat fee of $5.00 for five hours. The proposed amount is based on a number of factors including the current on-street parking in the City of San Diego ($1.25/hour), other urban parks (San Francisco Golden Gate Park at $3.50/hour), and other special event locations. Our demand and financial projections have been built using this rate structure.

There will be changes in parking demand in other lots as a result of the availability of paid parking in the Project parking structure. Employees and visitors will no longer have the option of parking in the Plaza de Panama Lot or the Alcazar Lot (with the exception of ADA parking). In addition, the Organ Pavilion Lot is being replaced with the Project's paid parking structure. Therefore, there will be a shift in the parking options and habits for all parkers, both employees and visitors, who formerly used these facilities.

Based on the existing condition of visitors having to re-circulate throughout the Prado lots in search of available parking when other, more remote lots have an adequate supply of parking, we expect that many of these visitors will migrate towards the certainty of the new parking structure. Since it will be the most convenient parking option for the Prado and the Central Mesa institutions, it will be the first choice for many visitors.

Golden Gate Park in San Francisco implemented paid parking in a centrally-located garage in 2007 in conjunction with the construction of two new institutions. Street parking and parking lots were replaced with an 800 stall underground garage. Although there is free street parking available within walking distance to the new institutions, many of these spaces are taken by employees and staff arriving at the park prior to the visitors. The garage (which charges $3.50/hour on weekdays and $4.50/hour on weekends) has enjoyed very high utilization. Based on interviews with City of

San Francisco staff and management of the garage's private operator, visitors to Golden Gate Park make the garage their first choice for parking based on availability and location. The parking fee does not seem to be a deterrent to maintaining high occupancy levels. One factor supporting the high garage occupancy levels is the walking distance from the "non-paid" parking supply is affected by Golden Gate Park institutions' employees arriving early and using the most convenient non-paid parking spaces. This will be similar to the effects at Balboa Park without some form of parking management addressing employee parking regulations.

One of the effects of paid parking in the parking structure on "free" lots in the area will be a shift in the location of employee parking. Currently, a majority (82%) of park employees and staff arrive by 10:00am before the institutions open and park in the close, most convenient parking spaces. As mentioned earlier in this report, it is estimated that 550 employees currently park in the Prado lots. Most of these employee parkers will shift to free lots, including the Pan American Lot, Federal Building Lots, and Inspiration Point Lots.

Without the implementation of a comprehensive parking management plan in Balboa Park, the anticipated shift in employee parking to the most convenient free lots will cause some of these lots to reach maximum occupancy levels on a regular basis. The Pan American Lot will be the closest free lot to the Prado. This will become the lot of choice for a majority of the staff and park employees without parking management. Although this parking and transportation study does not provide a recommended parking management plan, we highly suggest that the Balboa Park staff develop a plan to manage employee parking to mitigate the effects of implementing paid parking in the new parking structure. This recommendation also is included in the 2004 Jones and Jones report and the 2006 Parking Management Action Plan for Balboa Park – Central Mesa and Inspiration Point study.

PROJECT PARKING STRUCTURE OPERATIONS

A major component of Balboa Park Plaza de Panama Project is the construction of a new parking structure. The new facility has been designed to provide users with the latest technology and conveniences, including a very efficient entry/exit process. It is proposed that the garage be managed by a private operator who would also manage the new tram service. This is a model that has been successfully used by a number of similar parks and other public parking facilities, including the City of San Diego.

The location of the new parking structure will provide users arriving from both the west (via the Cabrillo Bridge and the Centennial Bridge) and the east (via Presidents Way) a very convenient approach to the facility. This location will enhance the Park experience and attract parkers seeking an alternative to the existing situation of re-circulating throughout lots looking for an available parking space. The new parking structure will be the most convenient parking option in the Park from both a location, availability, and accessibility standpoint.

EQUIPMENT PLAN FOR PROJECT PARKING STRUCTURE

The new parking facility has been designed to provide the most efficient entry and exit service levels. One of the issues every garage user experiences is the time it takes to enter the garage and the time it takes to exit the garage. These are especially critical issues prior to, and after large and/or special events. The Project parking structure has been designed so that the entrance, exit, internal circulation, and revenue control equipment will provide the absolute highest levels of service for entering and exiting the structure.

The Balboa Park Plaza de Panama Project includes a plan to provide a number of garage access lanes to the parking structure to allow for faster entry, when compared to the present entrance lanes to the existing surface lots (generally one or two lanes based on the size of the lot).

Due to the nature of the type of parking structure users (i.e. periods of peak demand which includes heavy inbound/outbound traffic), the access and revenue control equipment plan must provide the most efficient inbound and outbound capacity. The traditional style of garage equipment consisting of ticket dispenser and gate arms at the entrance and cashier booth and gate arms at the exit would not provide the level of service appropriate for the Organ Pavilion parking structure.

Various equipment types were analyzed during the selection process for the proposed new parking structure. A wide range of access/revenue control equipment was analyzed for the Organ Pavilion parking structure. A description of the proposed equipment follows.

Central Pay on Foot Machines without Exit Gates

This is the type of revenue and access control system we are proposing for the Organ Pavilion parking structure. This system utilizes some of the latest technology in revenue control and provides the greatest flexibility for payment and enforcement efforts. Since there is no need for entrance or exit gates, parkers are able to pull unimpeded into the parking structure and locate any available parking stall. Once they park their vehicle, the visitor proceeds to one of the conveniently-located pay on foot machines.

The proposed pay on foot machines can operate in a number of ways. These include at least three different options to monitor and enforce the payment of the parking fees. The “pay and display” method is where the parker prepays at the pay on foot machine and places the paid ticket on the dash of the vehicle. The “pay by space” method is where the parker notes their parking stall number at the time they park the car and enters this stall number into the machine. There is no need to return to the vehicle, since the enforcement activity is done through the use of reports generated by the machine. The latest technology, and the method we are proposing for the Organ Pavilion parking structure utilizes the vehicle’s license plate information (referred to as “pay by license plate”) instead of the parking stall number.

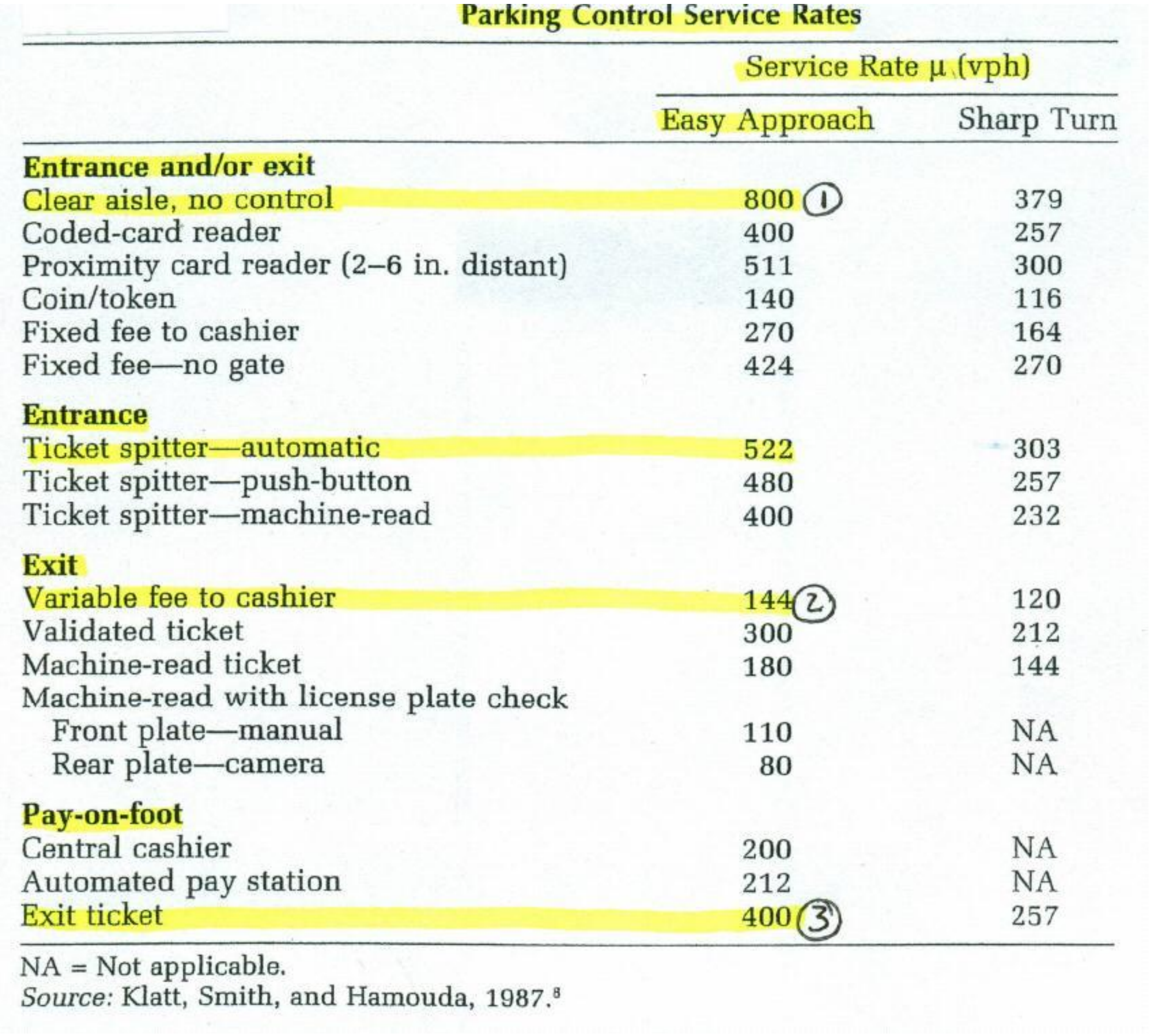
Using this system, the parker enters the garage (no entrance or exit gates), locates an available parking stall, and parks their vehicle. The parker then locates one of the conveniently located pay on foot machines. We are proposing 12 machines for the parking structure (four per floor, two at the elevator area and one each at the stairwells located on the Pan American Road side of the structure). The parker enters their license plate number into the pay on foot machine and prepays the appropriate fee for their visit. There is no need to record their stall number of return to their vehicle, since all enforcement activity is based on the vehicle’s license plate number.

At the conclusion of the guest’s visit to the park, they simply return to their vehicle and exit the parking structure without having to stop at a cashier booth or exit gate. Obviously, without having to pass through entrance and exit gates, this method of operation produces the highest parking control service rates (the number of vehicles entering or exiting per hour). The actual service rate for this system is referenced as #1 on Table 9. Please note that the Service Rates are indicated in vehicles per hour per lane.

Our proposed equipment and operations plan accommodates a number of rate plans (discounted, monthly, staff/employee, special event, validated) and allows parkers to prepay on-line designated events. Also, additional time may be added to a ticket via a cell phone (Pay by Phone) if the visit lasts longer than originally planned. This system also requires minimal staffing, while providing a very high level of service. There are a number of equipment manufacturers in the industry. We have proposed equipment produced by Digital Payment Technologies. This company has a very solid reputation and offers a wide range of payment and enforcement options. Please refer to Figure 12 and Figure 13 for detailed product information on the proposed parking equipment.

Enforcement of parking fees is accommodated via automated reports issued by the pay of foot machine. The enforcement personnel enter an administrative code into the machine and a report of "paid" vehicles is printed. The enforcement personnel would then compare the vehicles parked in the garage to the report of paid vehicles. Any violations would be addressed as per the violation policy.

Table 9: Parking Control Equipment Service Rates by Type of System



Parking Control Service Rates

	Service Rate μ (vph)	
	Easy Approach	Sharp Turn
Entrance and/or exit		
Clear aisle, no control	800 ①	379
Coded-card reader	400	257
Proximity card reader (2–6 in. distant)	511	300
Coin/token	140	116
Fixed fee to cashier	270	164
Fixed fee—no gate	424	270
Entrance		
Ticket spitter—automatic	522	303
Ticket spitter—push-button	480	257
Ticket spitter—machine-read	400	232
Exit		
Variable fee to cashier	144 ②	120
Validated ticket	300	212
Machine-read ticket	180	144
Machine-read with license plate check		
Front plate—manual	110	NA
Rear plate—camera	80	NA
Pay-on-foot		
Central cashier	200	NA
Automated pay station	212	NA
Exit ticket	400 ③	257

NA = Not applicable.
Source: Klatt, Smith, and Hamouda, 1987.[8]

Figure 12: Product Information for Proposed Revenue Control Equipment – Page 1

DIGITAL PAYMENT TECHNOLOGIES

PRODUCT SHEET

LUKE II

Multi-Space Pay Station

Public and private parking operators are realizing the benefits of multi-space pay stations: increased revenue, reduced operational costs, and superior customer service, to name just a few. Consumers also enjoy the added convenience, diverse payment options, and ease of use provided by pay stations. LUKE II is a highly secure, flexible pay station suitable for on- and off-street deployments. LUKE II fulfills customer service expectations and delivers superior performance and significant contributions to operators' top and bottom line.

LUKE II Features for Consumers

- Range of convenient payment options, such as coins, bills, credit cards, smart cards, value cards, campus cards, coupons, and even Pay-by-Phone
- Contactless payments for rapid parking transactions
- Large color screen that is easy to read
- Prompts in multiple languages
- Ability to pay for parking or extend time at any pay station in the system
- Coin escrow refunds consumers' money upon a cancelled transaction
- 38-key full alphanumeric keypad for easy license plate entry
- Easily recognizable design identifies machine to consumers as a parking pay station

LUKE II Features for Parking Operators

- Separate maintenance and collections compartments for enhanced security
- Theft-resistant design to protect coins, bills, and internal components
- Enhanced locking mechanism and electronic lock support for added security
- PCI compliant and PA-DSS validated system ensures credit card data security
- Pay-and-Display, Pay-by-Space, and Pay-by-License Plate on the same pay station
- Remote configuration of rates and policies saves time and money
- Integration with leading parking technology partners for a complete solution
- Flexible rate structures, diverse payment options, and the elimination of 'piggybacking' can enable up to an 80 percent increase in revenue
- Reduced maintenance and collections costs
- Real-time credit card processing to reduce processing fees and eliminate bad debt
- Real-time reporting and alarming
- Complete audit trail and rich analytics

Figure 13: Product Information for Proposed Revenue Control Equipment – Page 2

LUKE II Specifications

- Cabinet: 12-gauge zinc-coated cold rolled steel. Stainless steel optional
- Payment Options: Coins, bills, credit cards, contactless payment, smart cards, value cards, campus cards, coupons, Pay-by-Phone
- Card Reader: Cards are not ingested – no moving parts. Reads Tracks 1, 2, and 3 of all magnetic stripe cards conforming to ISO 7810 and 7811. Reads and writes to chip-based smart cards conforming to ISO 7810 and 7816
- Bill Stacker: 1,000-bill capacity
- Printer: 2" receipt width
- Display: Color backlit LCD with 640 x 480 resolution
- Keypad: 12- or 38-key alphanumeric with tactile buttons
- Locks: Can be re-keyed twice without removal of lock cylinder. Electronic locks optional
- Access: Separate doors for maintenance and collections
- Communications Options: GSM/GPRS, CDMA, 802.11b/g Wi-Fi, Metro Scale Wi-Fi , Ethernet
- Environmental Requirements: Ambient range: -40°C to +60°C (-40°F to +140°F)* Relative humidity: up to 95%
- Power: AC 120 V or 240 V, 60 Hz for charging battery or 20 W solar panel
- Operational Modes: Pay-and-Display, Pay-by-Space, Pay-by-License Plate
- Multilingual Support: Up to four languages using roman or non-roman characters
- Audible Alarm: Senses shock and vibration
- Color: Silver on gray. Custom colors optional
- Standards: UL/CSA approved, ADA compliant, PCI compliant, PA-DSS validated

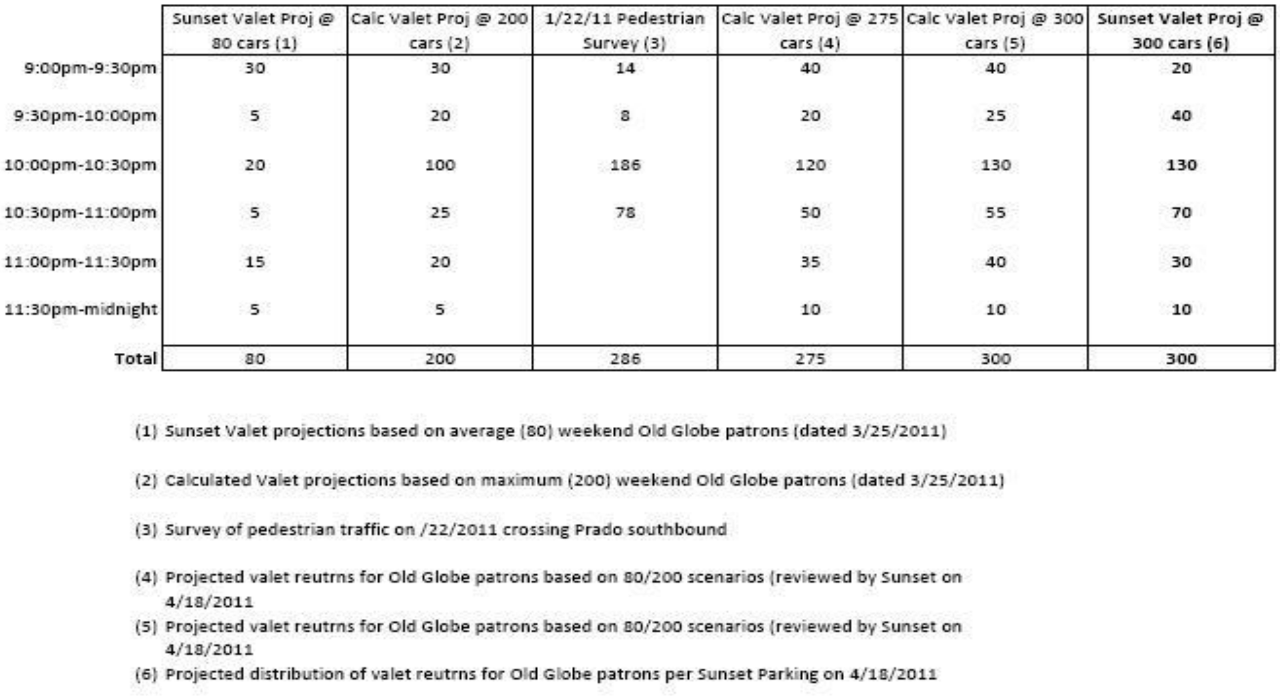
PROPOSED PROJECT VALET PARKING OPERATIONS PLANS

The Proposed Project would relocate the existing valet operation from near the Prado Restaurant in the Plaza de Panama to the re-configured Alcazar Lot. The new Alcazar Lot design will provide for approximately 24 designated valet drop-off and pick-up spaces on the southeast section of the lot. The proposed layout for the valet area would allow for a more efficient operation, not only in terms of capacity, but it also addresses traffic issues asssociated with the existing location in the Plaza de Panama. Currently, queuing issues occur after only a relatively small number (12) of vehicles are parked in the valet lanes. Once these spaces are occupied, incoming vehicles are forced to wait for an available valet space or re-circulate through the Plaza de Panama with the hope that an available valet space will open up by the time the vehicle returns to the valet area.

Since the Plaza de Panama in general is a highly-impacted area, and the traffic lane in front of the Prado secifically, is in the critical traffic pattern, any backups at the existing valet service area create immediate traffic issues. As noted earlier in this report, traffic can back up across the Cabrillo Bridge due to valet queuing issues. The proposed valet area in the Project plans would reduce the likelihood of negative impacts associated with high valet demand periods.

Table 10 below reflects the current operator's projected valet volume in half hour increments for a peak weekend evening, including three simultaneous performances at the Old Globe. As noted in the table, a peak evening of 300 valet vehicles will result in a peak half hour period of 130 vehicles being returned. Based on 24 designated valet spaces in the loading zone, the valet zone would turn over approximately 5.5 times during the peak half hour period.

Table 10: Projected Peak Valet Returns by Half Hour Increments



	Sunset Valet Proj @ 80 cars (1)	Calc Valet Proj @ 200 cars (2)	1/22/11 Pedestrian Survey (3)	Calc Valet Proj @ 275 cars (4)	Calc Valet Proj @ 300 cars (5)	Sunset Valet Proj @ 300 cars (6)
9:00pm-9:30pm	30	30	14	40	40	20
9:30pm-10:00pm	5	20	8	20	25	40
10:00pm-10:30pm	20	100	186	120	130	130
10:30pm-11:00pm	5	25	78	50	55	70
11:00pm-11:30pm	15	20		35	40	30
11:30pm-midnight	5	5		10	10	10
Total	80	200	286	275	300	300

(1) Sunset Valet projections based on average (80) weekend Old Globe patrons (dated 3/25/2011)

(2) Calculated Valet projections based on maximum (200) weekend Old Globe patrons (dated 3/25/2011)

(3) Survey of pedestrian traffic on /22/2011 crossing Prado southbound

(4) Projected valet reutrns for Old Globe patrons based on 80/200 scenarios (reviewed by Sunset on 4/18/2011

(5) Projected valet reutrns for Old Globe patrons based on 80/200 scenarios (reviewed by Sunset on 4/18/2011

(6) Projected distribution of valet reutrns for Old Globe patrons per Sunset Parking on 4/18/2011

VALET STAGING PLANS

The proposed valet staging area for the Proposed Project is in the lowest level of the parking structure. This area is the least desirable for visitor parking and most suitable for valet purposes. Due to the design features of the garage and the goal to maximize the total number of stalls in the parking structure, the proposed valet area is at the end of the drive aisles and requires vehicles entering the area to turn around in a parking stall. Although this situation is not ideal for visitor parking, it works well for staging valet vehicles.

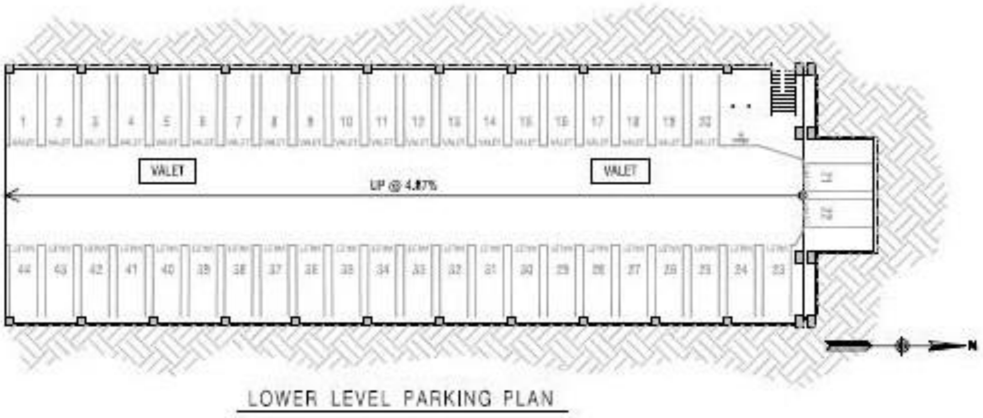
In addition to the situation described above, the proposed valet staging area is well-suited for maximum flexibility in the number of designated valet spaces. As relative visitor parking/valet parking demand changes, the number of visitor and valet staging stalls can be adjusted. This is an important design element that will provide the maximum efficiency and overall garage occupancy and financial return.

After a valet guest drops off their vehicle at the proposed valet staging area, a valet attendant will drive the vehicle on the new bypass road into the parking structure. The attendant will utilize the entrance on Level 2 and proceed down to Level 1. Depending on demand and other factors, the valet vehicles can be either parked in marked stalls, or "stacked parked" in the valet area. Stack parking allows the operator to park additional vehicles compared with parking all vehicles in marked stalls.

When a valet guest returns for their vehicle, a valet attendant will retrieve the vehicle from the valet staging area and utilize the "authorized vehicles only" exit on Level 3. The attendant will drive westbound on the bypass road and enter the valet zone in the Alcazar Lot.

Please refer to Figure 14 for the design of the proposed valet staging area in Level 1 of the parking structure.

Figure 14: Proposed Valet Staging Area – Level 1 of Parking Structure



PROPOSED PROJECT STAFF/EMPLOYEE PARKING OPERATIONS PLANS

The location and overall management of the existing staff and employee parking program has been identified as obstacle to providing more convenient visitor parking at Balboa Park. As mentioned earlier in this study, staff and employees arrive earlier than visitors and utilize over 550 of the most convenient parking spaces. A majority of these spaces are in the Central Mesa/Prado area of the park.

Previous studies (including the 2004 Jones and Jones study and the 2006 Tilghman/Civitas study) completed on parking and transportation issues in Balboa Park have recommended developing a “staff and employee” parking management plan. Almost any type of employee parking management plan would produce positive results towards improving the visitor parking situation. The goal of such a program would be to have more control over the designated location for employee parking. In the case of Balboa Park, this would result in more convenient parking available for later-arriving visitors.

The Proposed Project does not plan to implement an employee parking management plan. However, due to the changes proposed for the Project, a “passive” form of employee parking management will occur. These changes include the pedestrianization of the Plaza de Panama, the elimination of “regular” parking in the Alcazar Lot, and the construction of the Organ Pavilion paid parking structure. By design, the existing employee parking preferred locations will either be closed (in the case of the Plaza de Panama and Alcazar Lot except for ADA spaces) or will be paid parking (in the case of the existing Organ Pavilion Lot).

Instead of arriving early and utilizing the most convenient parking spaces, employees and staff will parking in more remote parking lots. These include the Pan American Lot, Federal Building Lots, and the Inspiration Point Lot. Although there would be no prohibition on employees or staff parking in the new structure, the parking fee will deter most, if not all, employee parking in the structure. Implementation of a parking management plan at the time the Project is completed will result in providing non-paid parking options in the Pan American lot, Federal Building lots, and other convenient lots in the Central Mesa. Otherwise, visitors to the Park may be park in locations more distant from the high demand Prado area.

Demand studies have been completed to ensure that there is sufficient non-paid parking supply available within the Park for visitors and employees. The red trolly service will provide transportation options from the more remote lots (Federal Building and Inspiration Point Lots).

PROJECT TRAM SYSTEM

A new tram/shuttle system would be implemented with the Project. A permanent tram stop would be located just south of the Organ Pavilion Parking Structure, near the intersection of Pan American Road and Presidents Way. The tram would run along Pan American Road, with a second stop located near the northern end of the new parking structure, and continue to the south side of the Plaza de Panama. The proposed new parking tram will be alternate fuel, low-floor, low-speed vehicles that can share the road with pedestrians and provide greater access to all park visitors, including the disabled. The proposed new intra-park tram service is intended to supplement rather than replace the existing system and would be designed such that integration with existing shuttle and trolley systems would be possible.

PROJECT “CONSTRUCTION PHASE” TRAM SERVICE

The proposed Project plans to link convenient parking in the new structure with popular destinations by operating a superior, more accessible tram shuttle. This tram service is essential to addressing the employee parking situation and to increasing visitor mobility between parking locations and destinations around the Park. It is also vital to supporting the growth projected for the Park. Recent projections indicate visitor numbers could increase by over 30% by 2030. It further reduces total walking distance between parking and destinations.

The new tram service will be introduced during the construction phase of the proposed Project. This new tram service will be based on the latest technology and design in vehicles purpose-built to move a large number of passengers in the most convenient manner.

The Plaza de Panama Project is proposing the use of the “MetroTram”, manufactured by Specialty Vehicles, Inc. This is an industry-leading manufacturer of vehicles currently being utilized in a large number of public and private parks, parking facilities, and other special event venues.

The proposed tram vehicles can be easily configured to carry between 16 and 100 passengers. The user-friendly features include a very low floor for easy loading and unloading for passengers of all ages and abilities. There are several options for wheelchair accessibility using on-board ramps and tie downs.

Besides the flexibility in the number of passenger capacity, another key benefit of the proposed tram vehicle is the very efficient load and unload process. Since the vehicles have a rider to entrance/exit of 2 to 1 (as opposed to 30 to 1 on the existing trams), a fully loaded tram of 100 passengers can unload and reload in a matter of seconds.

Please refer to Figure 15 and Figure 16 for a more detailed description of the proposed tram vehicle.

Figure 15: Proposed Tram Vehicle – Page 1

METRO TRAM

SPECIALTY VEHICLES

The new Metro Tram, designed and built by Specialty Vehicles boasts a sleek modern design and powerful drive system. With its ability to move from 16 -100 passengers simultaneously, the new people mover is ready for all types of applications. This efficient and stylish tram is ready to move your customers!

POWER UNIT DATA

Passenger Capacity: 16
Handicap Capacity: 2
Wheel Base: 168"
Length: 270"
Width: 76"
Height: 100" +/- 1"
Minimum Turning Radius: 33'
Curb Weight: 7,295 lbs
GVWR: 14,200 lbs
Approach Angle: 9 degrees
Departure Angle: 11 degrees
Brakes: Power-Assist Disc
Tires: 215/75 R17.5-16 Ply
Suspension: Leaf Spring

FEATURES

- o Gasoline, LPG or Diesel Engine
- o Hydrostatic Drive System
- o Capable of Towing Up to Three (3) Metro Trailers (Max. passenger load of 100)
- o Centrally Located Drivers' Seating Position
- o Steel Main Frame and Super Structure
- o Fiberglass Gel Coated Passenger Seats
- o Aluminum Diamond Plated Flooring with Low Floor Design
- o PA System with Hand Held Microphone with AM/FM, CD Player
- o Interior LED Lighting in Passenger Area
- o Maximum Speed of 16 MPH
- o Powder Coated Chassis Frame
- o Optional Storage Area on Trailer Wheel Wells

Control Panel Lighting Controls: Head Light, Running Lights, Turn Signals, Overhead Interior Lighting

Control Panel Gauges: Engine Temperature, Oil Quantity, Fuel Quantity, Hydraulic System Status, Tachometer, Speedometer, Voltage, Hour Meter

Figure 16: Proposed Tram Vehicle – Page 2

The Metro Tram can pull up to three coaches, with each coach carrying up to 28 adult passengers. Coach design allows for rapid loading and unloading. Coaches can easily be attached and detached to meet changing capacity requirements.

FEATURES

Axles: The 4-wheel articulated steering system utilizes 2 steer axles that are actuated by attaching two longitudinal steer bars to the steering pivot assemblies. These pivot assemblies then actuate the steering knuckles through a series of steer bars and tie rods. The trailer suspension system is comprised of flat "Slipper" type leaf springs.
Chassis Assembly: Main longitudinal frame rails, horizontal cross-members, and end cap/ roof supports are constructed of A500 grade 2" x 6" x .188" wall rectangular steel tubing. The floor structure out-riggers are constructed of 2" x 2" x .125" steel angle iron that is boxed in with 2" x 1" x .120" rectangular steel tubing and then fully welded to main frame rails to form an integrated, all steel main frame assembly.
Roof Frame Assembly: Roof frame assembly is constructed of two longitudinal custom fabricated 6063-T5 grade aluminum extrusions that are TIG welded to a series of 1 1/2" x 1 1/2" square aluminum tubing and 2" x 6" x .188" aluminum rectangular tubing at the end roof support areas. This frame assembly is mounted to the main trailer chassis with custom formed 4" x .25" wall aluminum round tube support columns. The roof shell is constructed of fiberglass sprayed chop mat with a 4mm Core-Mat liner (3/16" total thickness) to help prevent "Print Through" of the aluminum support rails. The exterior & interior is a white gel-coat finish. The fiberglass shell is then bonded to the aluminum frame structure with adhesive and a series of fasteners.
Trailer End Caps: Trailer end caps are constructed of fiberglass sprayed chop mat sprayed to a 3/16" thickness with a white gel-coat finish. The caps are fastened to the main frame assembly with a bonding adhesive and a series of fasteners.
Electrical, PA System and Lighting: All circuits are 12 Volt DC negative ground. Wiring meets all SAE Automotive and ASTM requirements. The electrical assemblies are installed with modular components. All interior and exterior lights are LED sealed polycarbonate housing type with pin connectors for easy replacement. Exterior lighting is also 12 volt DC which includes 8 amber running lights on the sides of the coach and Red, Stop and Turn lights on the rear of each coach. All lights are controlled from the operators control panel. Four (4) 6½" dual core water proof speakers.

TRAILER UNIT DATA

Passenger Capacity: 28
Handicap Capacity: N/A
Wheel Base: 172"
Length: 285"
Width: 76"
Height: 100" +/- 1"
Minimum Turning Radius: 18'-6"
Curb Weight: 3,980 lbs
GVWR: 10,000 lbs
Approach Angle: 11 degrees
Departure Angle: 11 degrees
Brakes: Hydraulic Disc
Tires: ST 225/75 D15
Suspension: Leaf Spring
Wheels: 5 Spoke Machined Alum.

SPECIALTY VEHICLES

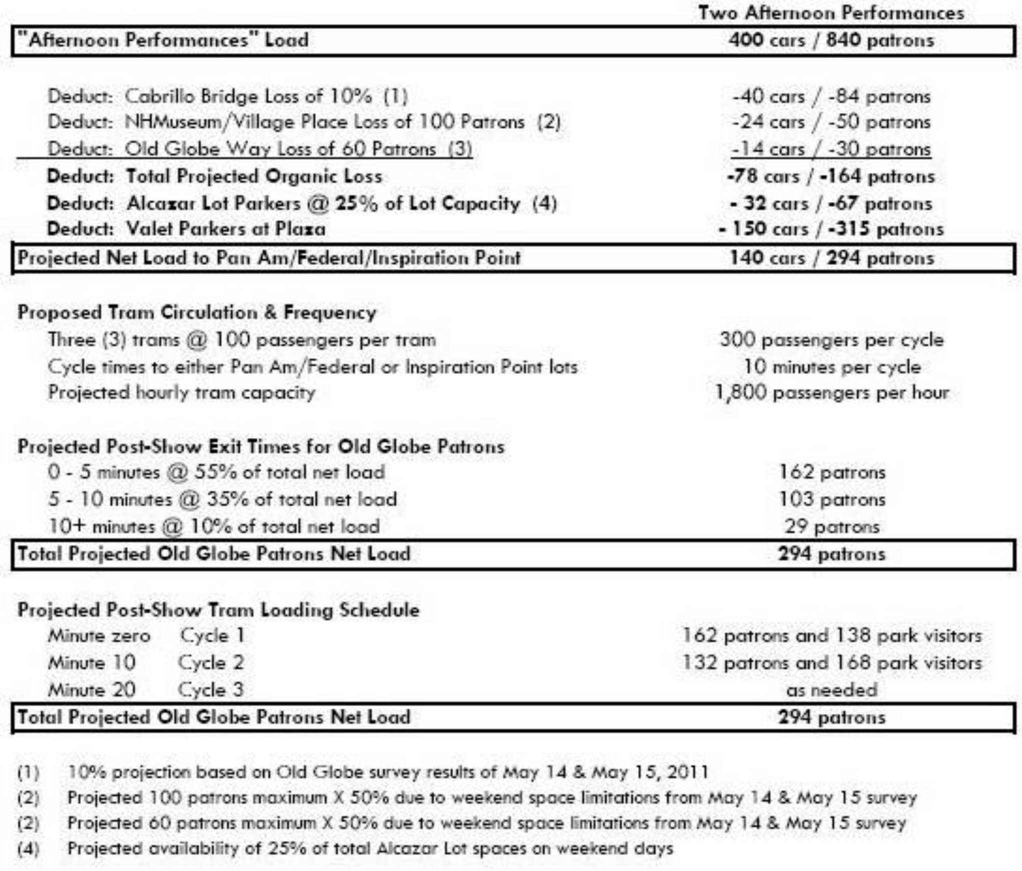
CONSTRUCTION PHASE ROUTE

During the construction Phases 1-3 of the Project, there will be periods when the Plaza de Panama Lot, Alcazar Lot, and Organ Pavilion Lot are all out of service and unavailable for parking vehicles. During this time, the new tram service will run between the Inspiration Point Lot and the Plaza de Panama Lot. During this period of the Project, temporary parking management plans will be implemented in order to provide visitor parking in the Alcazar, Pan American, and Federal Building Lots by closing these lots until approximately 9:30AM. Employees arriving prior to that time will park in the Inspiration Point Lot and use the tram service to the Prado.

The hours of operation will be from approximately 8:00am until the conclusion of major events in the Park (normally 11:30pm-midnight). The tram service will operate every 10 to 15 minutes, depending on the time of day and day of week.

The Project Team has completed extensive analyses on the projected maximum transportation requirements, including at the conclusion of simultaneous Old Globe performances. An analysis was completed using data collected during the May 14, 2011 and May 15, 2011 weekend. This analysis included the effect of Old Globe patrons and "regular" park visitors using self parking options in the Pan American, Federal Building, and Inspiration Point Lots, the valet parking option, and the organic loss of patrons and visitors walking to remote lots inside and outside of the park. Based on our analysis, all Old Globe patrons (294) would be transported to their parked vehicles within 10 – 15 minutes, along with an equal of regular park visitors. We believe this represents typical non-special event peak demand. Please refer to Table 11 for a summary of the analysis.

Table 11: Proposed Tram Transportation Analysis on Weekend Afternoon – Heavy Demand

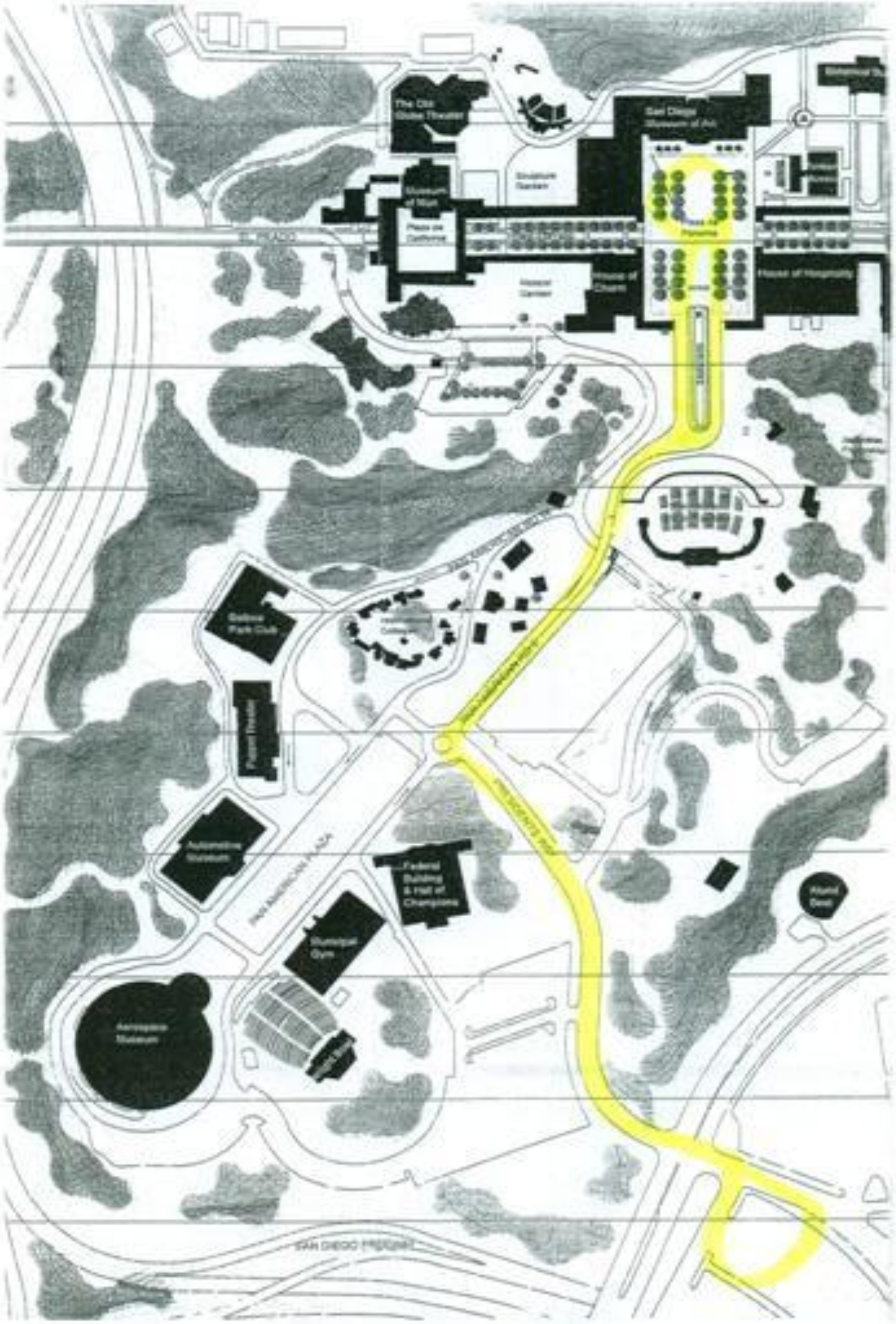


	Two Afternoon Performances
"Afternoon Performances" Load	**400 cars / 840 patrons**
Deduct: Cabrillo Bridge Loss of 10% (1)	-40 cars / -84 patrons
Deduct: NHMuseum/Village Place Loss of 100 Patrons (2)	-24 cars / -50 patrons
Deduct: Old Globe Way Loss of 60 Patrons (3)	-14 cars / -30 patrons
Deduct: Total Projected Organic Loss	**-78 cars / -164 patrons**
Deduct: Alcazar Lot Parkers @ 25% of Lot Capacity (4)	**- 32 cars / -67 patrons**
Deduct: Valet Parkers at Plaza	**- 150 cars / -315 patrons**
Projected Net Load to Pan Am/Federal/Inspiration Point	**140 cars / 294 patrons**
Proposed Tram Circulation & Frequency	
Three (3) trams @ 100 passengers per tram	300 passengers per cycle
Cycle times to either Pan Am/Federal or Inspiration Point lots	10 minutes per cycle
Projected hourly tram capacity	1,800 passengers per hour
Projected Post-Show Exit Times for Old Globe Patrons	
0 - 5 minutes @ 55% of total net load	162 patrons
5 - 10 minutes @ 35% of total net load	103 patrons
10+ minutes @ 10% of total net load	29 patrons
Total Projected Old Globe Patrons Net Load	**294 patrons**
Projected Post-Show Tram Loading Schedule	
Minute zero Cycle 1	162 patrons and 138 park visitors
Minute 10 Cycle 2	132 patrons and 168 park visitors
Minute 20 Cycle 3	as needed
Total Projected Old Globe Patrons Net Load	**294 patrons**

(1) 10% projection based on Old Globe survey results of May 14 & May 15, 2011
(2) Projected 100 patrons maximum X 50% due to weekend space limitations from May 14 & May 15 survey
(2) Projected 60 patrons maximum X 50% due to weekend space limitations from May 14 & May 15 survey
(4) Projected availability of 25% of total Alcazar Lot spaces on weekend days

Please refer to Figure 17 for a detailed description of the proposed tram route during Phase 2-4 of the construction process.

Figure 17: Proposed Tram Route During Project Construction Phase



PERMANENT INTRA-PARK TRAM SERVICE

Once the proposed Project is completed and the new Organ Pavilion parking structure is operational, a permanent intra-park tram service will be implemented. The trams proposed for the construction phase of the Project will be utilized for the permanent tram service.

The proposed tram service post-project completion will operate generally during the same time that the construction phase tram service. This will include the hours of 8:00am until around 11:30pm seven days per week. These hours will provide transportation service to arriving and departing employees and to visitors during overall park operating hours. The trams will operate approximately every 10 minutes during park hours. Extra capacity will be utilized during special events.

Based on the day of the week and the time of day, the tram service will be operated by between one and three tram “sets”. Each set has the flexibility to include power unit only (no trailers), and power units with up to three trailers. Power units have a capacity of 16 passengers, and the trailers have a capacity of 28 passengers. A fully-loaded three trailer tram set can transport 100 passengers, including up to eight wheelchair passengers.

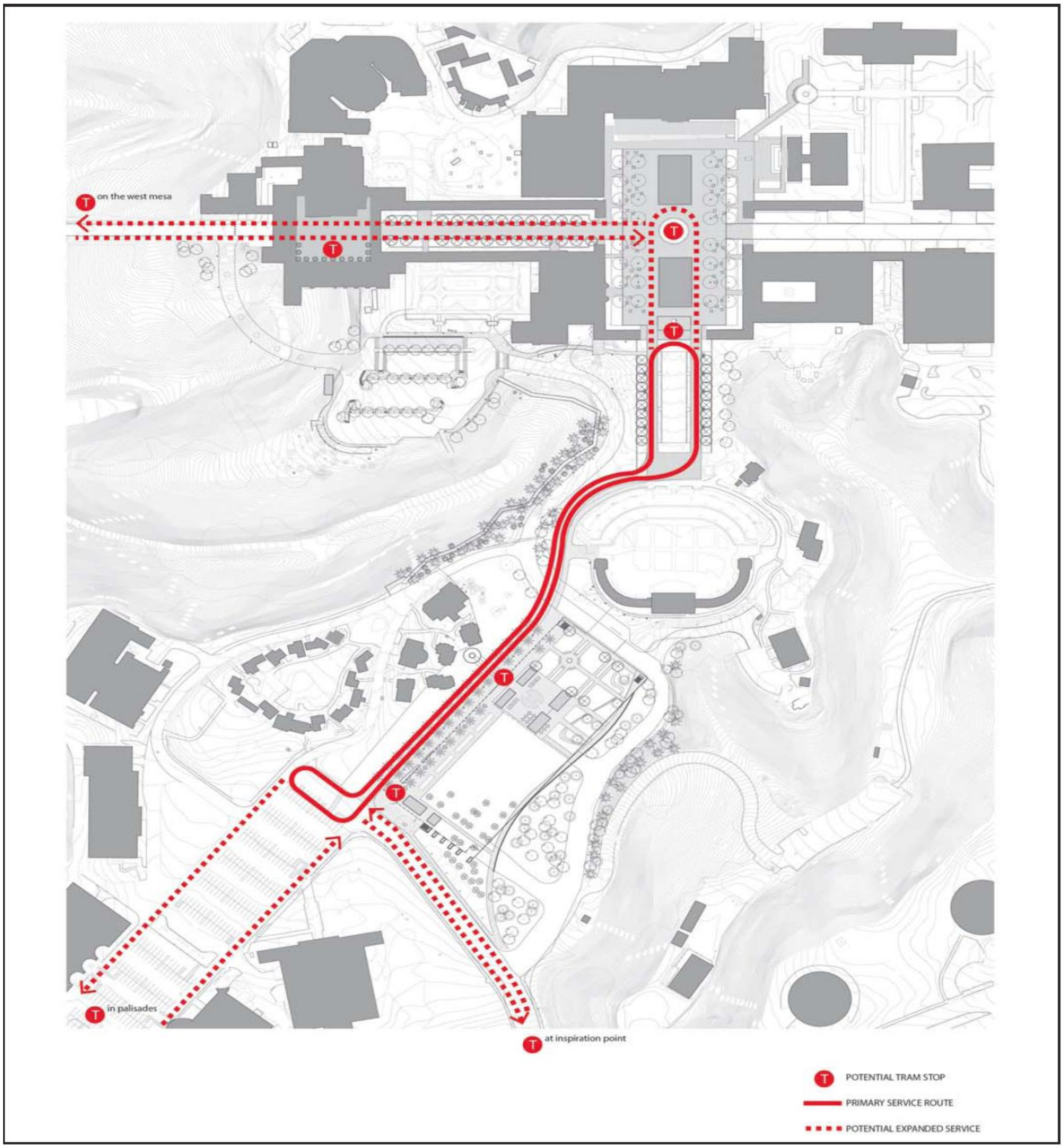
The tram service will be managed and operated by the parking structure operator. This is the most efficient and cost effective method to oversee the tram operations. This reduces overhead and puts the parking and transportation management responsibility with one operator.

The trams can be refueled and maintained on site. The exact location for these services has yet to be determined.

PROPOSED PERMANENT TRAM ROUTE

The new tram service is proposed to operate from the Organ Pavilion Parking Structure along the Esplanade to the northern end of the Esplanade. The proposed new intra-park tram service is intended to supplement, rather than replace the existing red trolley system. It would be designed such that integration with existing shuttle and trolley systems would be possible. Please refer to Figure 18 for the proposed intra-park tram route.

Figure 18: Proposed Intra-Park Tram Route



DEMAND MODELS

The Team has prepared demand models to determine if the Project will have adequate parking. Established usage patterns at the Park and mean averages have been employed. The models reflect the following:

1. Weekday Parking Demand for 84 Days Out of the Year – 77th Percentile – Park occupancy at 76%; mean sized event of 1,223 attendees;
2. Weekday Parking Demand for 24 Days Out of the Year – 93rd Percentile – Park occupancy at 76%; maximum sized event of 1,448 attendees;
3. Weekday Parking Demand for 12 Days Out of the Year – 97th Percentile – Park occupancy at 76%; maximum sized events of 3,223 attendees.
4. Weekend Parking Demand for 84 Days Out of the Year – 77th Percentile – Park occupancy at 51%; mean sized event of 1,223 attendees;
5. Weekend Parking Demand for 24 Days Out of the Year – 93rd Percentile – Park occupancy at 51%; maximum sized event of 1,448 attendees;
6. Weekend Parking Demand for 12 Days Out of the Year – 97th Percentile – Park occupancy at 51%; maximum sized events of 3,223 attendees.

The Prado restaurant demand is fixed at the City's required 18.5 parking spaces per 1,000 SF.

The Park is assumed to operate at 76% occupancy on weekdays and 51% on weekends.

Each scenario's model is comprised of the following user groups:

1. Theatre and performing arts patrons;
2. Park visitors (includes visitors to museums, gardens, attractions, nature trails, and retail uses);
3. Organ Pavilion concert goers;
4. Restaurant patrons;
5. Special event attendees; and
6. Employees.

Although we are providing for 323 destination restaurant spaces for the purposes of the demand models, it is important to note that the destination restaurant will be a lunch/dinner restaurant, which typically do not generate as great of an evening demand as restaurants that only serve dinner. It is also highly unlikely that 400 seats would generate 323 vehicles, so this is a very conservative model.

There were 12 days in the last 12 months in which an event (drawing its attendance from outside the Park), of 1,000 or more attendees was held, a little more than 3% of the entire year, the true ratio of large demand dates per year is less than 2.5%.

Existing parking occupancy counts were collected at all the park's internal parking lots (14 lots). This data was collected on Saturday, March 19, 2011 (7:00 am to 11:00 pm), as well as on Tuesday, March 22, 2011 (7:00 am to 9:00 pm). Table 2 identifies the parking locations that were counted. Figures 8 and 9 show the parking supply and occupancy for each of the locations. A total parking supply was inventoried at 6,378 spaces, including the Zoo Lots. Existing overall parking occupancies were calculated for the weekday and Saturday, without Zoo parking. Table 5 shows the overall weekday peak occupancy to occur at 1:00pm (76%) and Table 7 shows the overall Saturday peak occupancy to occur at 11:00am (50%) not including the Zoo parking. Although ample parking is provided overall, the parking areas within the core of the park are at capacity during the peak periods. The Appendix contains the parking count datasheets for the surveyed parking areas. Based on the review of the forecasted traffic volumes and current parking occupancies, it is anticipated that adequate parking will be provided for the park, based on the overall parking supply. However, the parking occupancies show that the parking lots located near the core of the park (Organ Pavilion, Plaza de Panama, Pan American Plaza, and Alcazar Garden) to be close to fully occupied during the Saturday peak. The Federal/Aerospace lot and Inspiration lot are the most underutilized.

The complete surveys are provided as Appendices in the back of this report.

Occupancy surveys were conducted in March. One was performed every hour on a Tuesday and the peak – 1:00 pm – is summarized in Figure 19 and Table 12 on the following pages.

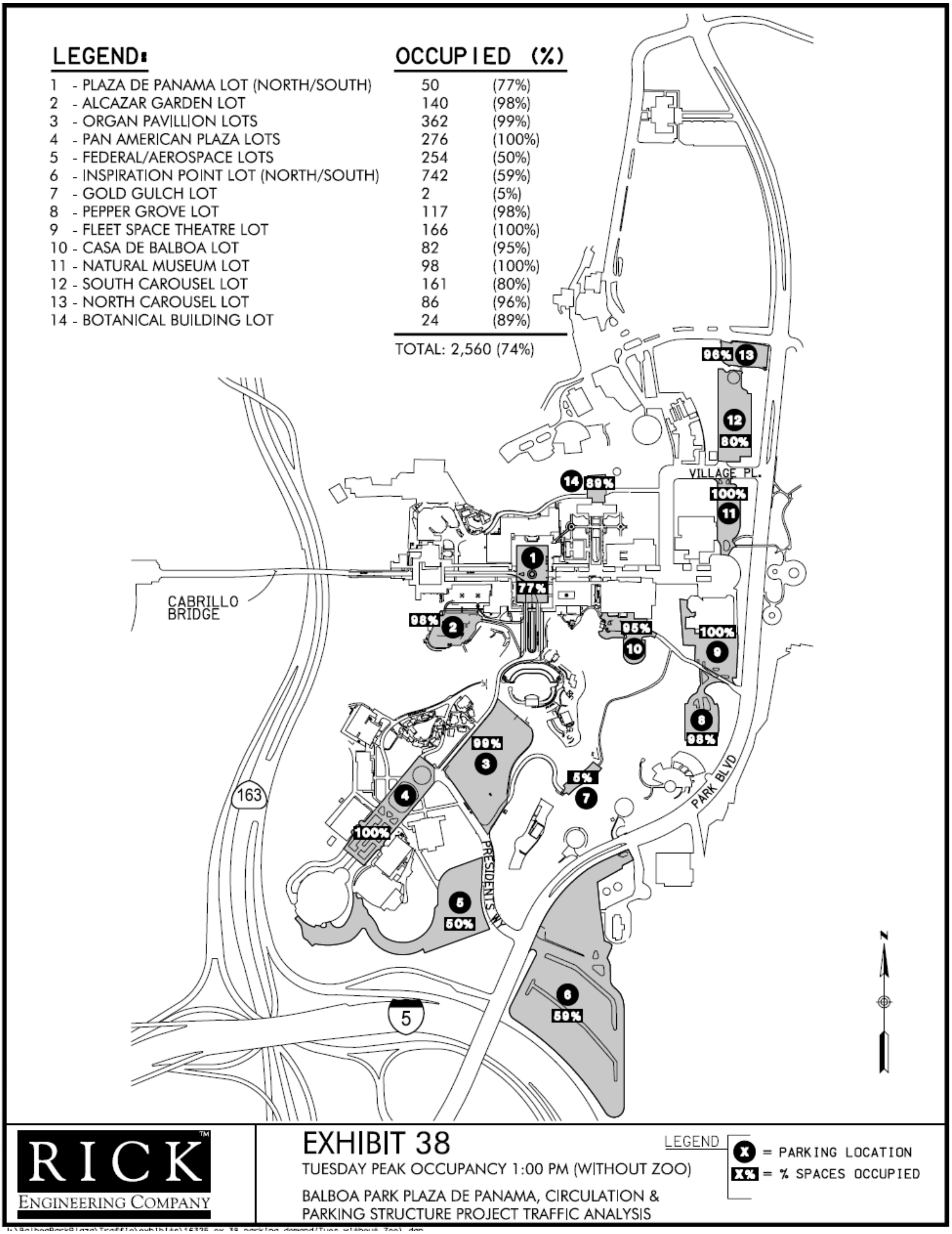
USAGE PATTERNS

The Park has realized specific parking usage factors over the years. These factors are essential to consider when developing a parking management plan and when planning staffing to handle parking demand.

The basic parking user groups are visitors, institution staff/employees, and restaurant patrons.

We utilized parking statistical records, and the Urban Land Institute (ULI) parking demand model to determine usage patterns. Visitor usage factors were derived by comparing restaurant and event attendee figures against vehicles parked for those events. Restaurant patrons typically parked in the surface lots and were counted in that lot and compared against the restaurant's square footage.

Figure 19: Occupancy Survey – Tuesday, March 22, 2011



LEGEND:

	OCCUPIED	(%)
1 - PLAZA DE PANAMA LOT (NORTH/SOUTH)	50	(77%)
2 - ALCAZAR GARDEN LOT	140	(98%)
3 - ORGAN PAVILLION LOTS	362	(99%)
4 - PAN AMERICAN PLAZA LOTS	276	(100%)
5 - FEDERAL/AEROSPACE LOTS	254	(50%)
6 - INSPIRATION POINT LOT (NORTH/SOUTH)	742	(59%)
7 - GOLD GULCH LOT	2	(5%)
8 - PEPPER GROVE LOT	117	(98%)
9 - FLEET SPACE THEATRE LOT	166	(100%)
10 - CASA DE BALBOA LOT	82	(95%)
11 - NATURAL MUSEUM LOT	98	(100%)
12 - SOUTH CAROUSEL LOT	161	(80%)
13 - NORTH CAROUSEL LOT	86	(96%)
14 - BOTANICAL BUILDING LOT	24	(89%)

TOTAL: 2,560 (74%)

RICK ENGINEERING COMPANY

EXHIBIT 38
TUESDAY PEAK OCCUPANCY 1:00 PM (WITHOUT ZOO)
BALBOA PARK PLAZA DE PANAMA, CIRCULATION &
PARKING STRUCTURE PROJECT TRAFFIC ANALYSIS

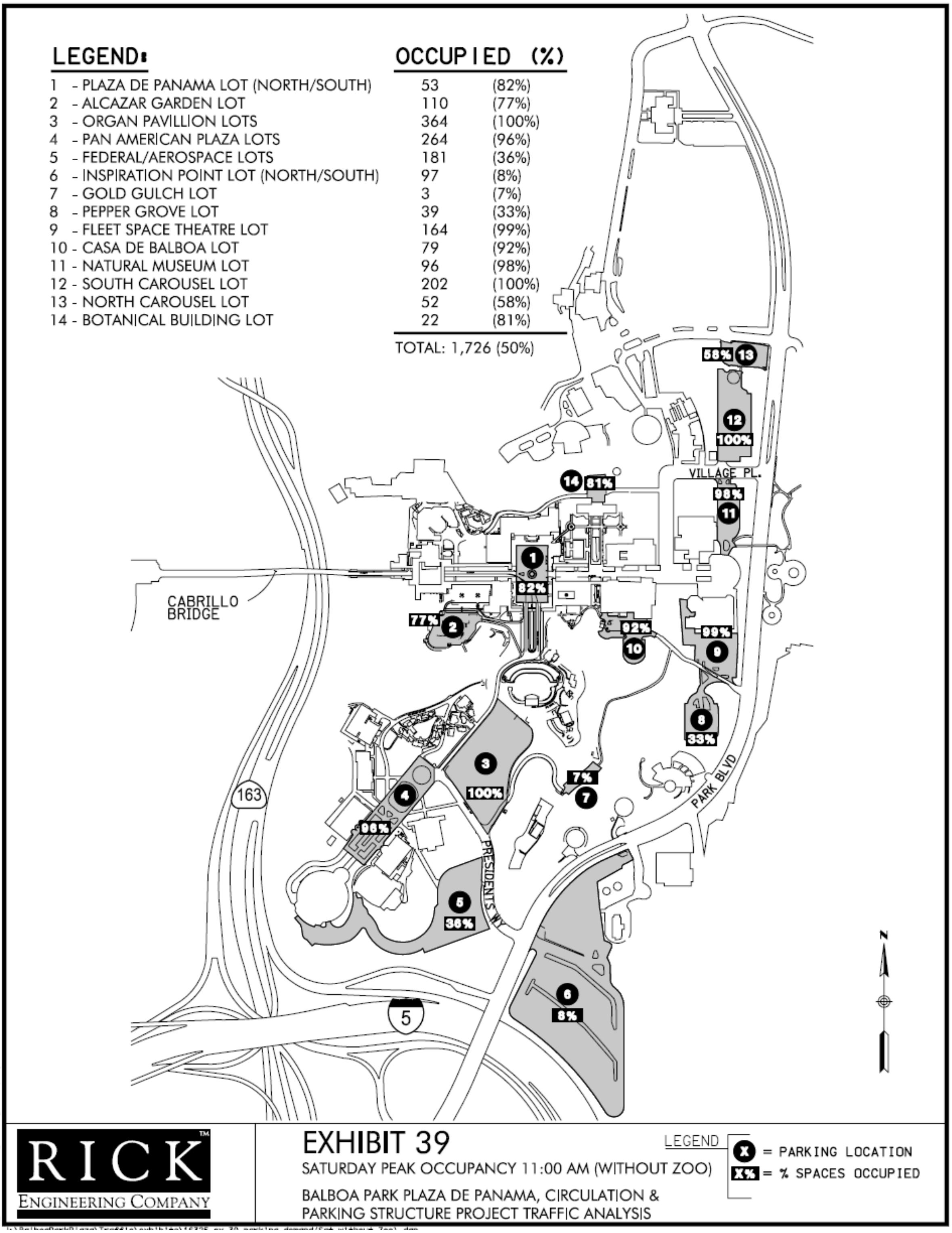
Table 12: Occupancy Survey – Tuesday, March 22, 2011

Tuesday Peak Occupancy - 1:00 pm

	Inventory	1:00 PM	%
Plaza de Panama	65	50	77%
Alcazar Garden	143	140	98%
Organ Pavilion	365	362	99%
Pan American Plaza	276	276	100%
Federal Aerospace	509	254	50%
Inspiration Point	1,264	742	59%
Gold Gulch	43	2	5%
Pepper Grove	120	117	98%
Fleet Space Theatre	166	166	100%
Casa de Balboa	86	82	95%
Natural Museum Lot	98	98	100%
Carousel Lot	292	247	85%
Botanical Building	27	24	89%
Total	3,454	2,560	74%

The occupancy survey performed every hour on a Saturday and the peak – 11:00 am – is summarized in Figure 20 and Table 13 on the following pages.

Figure 20: Occupancy Survey – Saturday, March 19, 2011



LEGEND:	OCCUPIED (%)	
1 - PLAZA DE PANAMA LOT (NORTH/SOUTH)	53	(82%)
2 - ALCAZAR GARDEN LOT	110	(77%)
3 - ORGAN PAVILLION LOTS	364	(100%)
4 - PAN AMERICAN PLAZA LOTS	264	(96%)
5 - FEDERAL/AEROSPACE LOTS	181	(36%)
6 - INSPIRATION POINT LOT (NORTH/SOUTH)	97	(8%)
7 - GOLD GULCH LOT	3	(7%)
8 - PEPPER GROVE LOT	39	(33%)
9 - FLEET SPACE THEATRE LOT	164	(99%)
10 - CASA DE BALBOA LOT	79	(92%)
11 - NATURAL MUSEUM LOT	96	(98%)
12 - SOUTH CAROUSEL LOT	202	(100%)
13 - NORTH CAROUSEL LOT	52	(58%)
14 - BOTANICAL BUILDING LOT	22	(81%)
	TOTAL: 1,726 (50%)	

Table 13: Occupancy Survey – Saturday, March 19, 2011

Saturday Peak Occupancy - 11:00 am

	Inventory	11:00 AM	%
Plaza de Panama	65	53	82%
Alcazar Garden	143	110	77%
Organ Pavilion	365	364	100%
Pan American Plaza	276	264	96%
Federal Aerospace	509	181	36%
Inspiration Point	1,264	97	8%
Gold Gulch	43	3	7%
Pepper Grove	120	39	33%
Fleet Space Theatre	166	164	99%
Casa de Balboa	86	79	92%
Natural Museum Lot	98	96	98%
Carousel Lot	292	254	87%
Botanical Building	27	22	81%
Total	3,454	1,726	50%

Peak Demand Models

We used the peak occupancies as a base line to prepare the peak demand models that follow. The weekday and weekend base line occupancies were adjusted by applying large event parking needs to them.

Note: The Organ Pavilion parking is replaced by the new parking structure in each of these demand models. The occupancy numbers for each lot are based on the March surveys and are not meant to be forecasts of the actual occupancy of the Park's new configuration.

Table 14, below, presents the weekday day and evening peak hourly parking demand, incorporating an event size of 1,230 attendees.

Assumptions

Park Occupancy	Event Size	El Prado Restaurant
74%	1,230 Attendees	400 Seats/323 Parking Spaces No credit for Park Shared Use

Table 14: Peak Demand Model 1 – Tuesday – 1,230 Attendee Event

	Inventory	1:00 PM	%	7:00 PM	%
Plaza de Panama	0	50		53	
Alcazar Garden	49	140		71	
New Parking Structure	797	362	45%	131	16%
Pan American Plaza	276	276	100%	110	40%
Federal Aerospace	509	254	50%	19	4%
Inspiration Point	1,264	742	59%	99	8%
Gold Gulch	43	2	5%	1	2%
Pepper Grove	120	117	98%	3	3%
Fleet Space Theatre	166	166	100%	24	14%
Casa de Balboa	86	82	95%	58	67%
Natural Museum Lot	98	98	100%	97	99%
Carousel Lot	292	247	85%	77	26%
Botanical Building	27	24	89%	20	74%
Additional Demand				585	
Total	3,727	2,560	69%	1,348	36%

In this scenario, a minimum of 1,167 spaces, which is 31% of the parking inventory, is available at peak.

Table 15, below, presents the weekday day and evening peak hourly parking demand, incorporating an event size of 1,448 attendees.

Assumptions

Park Occupancy	Event Size	El Prado Restaurant
74%	1,448 Attendees	400 Seats/323 Parking Spaces No credit for Park Shared Use

Table 15: Peak Demand Model 2 – Tuesday – 1,448 Attendee Event

	Inventory	1:00 PM	%	7:00 PM	%
Plaza de Panama	0	50		53	
Alcazar Garden	49	140		71	
New Parking Structure	797	362	45%	131	16%
Pan American Plaza	276	276	100%	110	40%
Federal Aerospace	509	254	50%	19	4%
Inspiration Point	1,264	742	59%	99	8%
Gold Gulch	43	2	5%	1	2%
Pepper Grove	120	117	98%	3	3%
Fleet Space Theatre	166	166	100%	24	14%
Casa de Balboa	86	82	95%	58	67%
Natural Museum Lot	98	98	100%	97	99%
Carousel Lot	292	247	85%	77	26%
Botanical Building	27	24	89%	20	74%
Additional Demand				689	
Total	3,727	2,560	69%	1,452	39%

In this scenario, a minimum of 1,167 spaces, which is 31% of the parking inventory, is available at peak.

Table 16, below, presents the weekday day and evening peak hourly parking demand, incorporating an evening event size of 1,230 attendees, as well as an afternoon event size of 2,000 attendees.

Assumptions

Park Occupancy	Event Size	El Prado Restaurant
74%	2,000 Afternoon Attendees 1,230 Evening Attendees	400 Seats/323 Parking Spaces No credit for Park Shared Use

Table 16: Peak Demand Model 3 – Tuesday – 1,230 Evening Attendee Event and 2,000 Afternoon Attendee Event

	Inventory	1:00 PM	%	7:00 PM	%
Plaza de Panama	0	50		53	
Alcazar Garden	49	140		71	
New Parking Structure	797	362	45%	131	16%
Pan American Plaza	276	276	100%	110	40%
Federal Aerospace	509	254	50%	19	4%
Inspiration Point	1,264	742	59%	99	8%
Gold Gulch	43	2	5%	1	2%
Pepper Grove	120	117	98%	3	3%
Fleet Space Theatre	166	166	100%	24	14%
Casa de Balboa	86	82	95%	58	67%
Natural Museum Lot	98	98	100%	97	99%
Carousel Lot	292	247	85%	77	26%
Botanical Building	27	24	89%	20	74%
Additional Demand		952		585	
Total	3,727	3,512	94%	1,348	36%

In this scenario, a minimum of 215 spaces, which is 6% of the parking inventory, is available at peak.

Table 17, below, presents the weekend day and evening peak hourly parking demand, incorporating an event size of 1,230 attendees.

Assumptions

Park Occupancy	Event Size	El Prado Restaurant
74%	2,000 Afternoon Attendees 1,230 Evening Attendees	400 Seats/323 Parking Spaces No credit for Park Shared Use

Table 17: Peak Demand Model 4 – Saturday – 1,230 Attendee Event

	Inventory	11:00 AM	%	8:00 PM	%
Plaza de Panama	0	53		58	
Alcazar Garden	49	110		125	
New Parking Structure	797	364	46%	128	16%
Pan American Plaza	276	264	96%	213	77%
Federal Aerospace	509	181	36%	43	8%
Inspiration Point	1,264	97	8%	29	2%
Gold Gulch	43	3	7%	2	5%
Pepper Grove	120	39	33%	7	6%
Fleet Space Theatre	166	164	99%	29	17%
Casa de Balboa	86	79	92%	75	87%
Natural Museum Lot	98	96	98%	95	97%
Carousel Lot	292	254	87%	163	56%
Botanical Building	27	22	81%	23	85%
Additional Demand				585	
Total	3,727	1,726	46%	1,575	42%

In this scenario, a minimum of 2,001 spaces, which is 54% of the parking inventory, is available at peak.

Table 18, below, presents the weekend day and evening peak hourly parking demand, incorporating an event size of 1,448 attendees.

Assumptions

Park Occupancy	Event Size	El Prado Restaurant
50%	1,448 Attendees	400 Seats/323 Parking Spaces No credit for Park Shared Use

Table 18: Peak Demand Model 5 – Saturday – 1,448 Attendee Event

	Inventory	1:00 PM	%	8:00 PM	%
Plaza de Panama	0	53		58	
Alcazar Garden	49	110		125	
New Parking Structure	797	364	46%	128	16%
Pan American Plaza	276	264	96%	213	77%
Federal Aerospace	509	181	36%	43	8%
Inspiration Point	1,264	97	8%	29	2%
Gold Gulch	43	3	7%	2	5%
Pepper Grove	120	39	33%	7	6%
Fleet Space Theatre	166	164	99%	29	17%
Casa de Balboa	86	79	92%	75	87%
Natural Museum Lot	98	96	98%	95	97%
Carousel Lot	292	254	87%	163	56%
Botanical Building	27	22	81%	23	85%
Additional Demand				689	
Total	3,727	1,726	46%	1,679	45%

In this scenario, a minimum of 2,001 spaces, which is 54% of the parking inventory, is available at peak.

Table 19, below, presents the weekend day and evening peak hourly parking demand incorporating an evening event size of 1,230 attendees, as well as an afternoon event size of 2,000 attendees.

Assumptions

Park Occupancy	Event Size	El Prado Restaurant
50%	2,000 Afternoon Attendees 1,230 Evening Attendees	400 Seats/323 Parking Spaces No credit for Park Shared Use

Table 19: Peak Demand Model 6 – Saturday – 1,230 Evening Attendee Event and 2,000 Afternoon Attendee Event

	Inventory	1:00 PM	%	8:00 PM	%
Plaza de Panama	0	36		34	
Alcazar Garden	49	87		49	
New Parking Structure	797	234	29%	190	24%
Pan American Plaza	276	139	50%	128	46%
Federal Aerospace	509	139	27%	120	24%
Inspiration Point	1,264	175	14%	166	13%
Gold Gulch	43	8	19%	8	19%
Pepper Grove	120	40	33%	39	33%
Fleet Space Theatre	166	104	63%	96	58%
Casa de Balboa	86	64	74%	65	76%
Natural Museum Lot	98	89	91%	84	86%
Carousel Lot	292	273	93%	178	61%
Botanical Building	27	21	78%	15	56%
Additional Demand		952		952	
Total	3,727	2,361	63%	2,124	57%

In this scenario, a minimum of 1,366 spaces, which is 37% of the parking inventory, is available at peak.

APPENDIX D-3

Parking Structure and Transportation System Financial Projections

PARKING CONCEPTS INC.

PARKING STRUCTURE AND TRANSPORTATION SYSTEM FINANCIAL PROJECTIONS

BALBOA PARK
PLAZA DE PANAMA PROJECT

Prepared for:
Plaza de Panama Committee
San Diego, CA
January 11, 2012

Prepared by:
Parking Concepts, Inc.
Irvine, CA 92618
David Mueller, Project Design Consultant
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Balboa Park Plaza de Panama Project
Projected Garage Financial Pro Forma - Revised September 2011
Parking Concepts, Inc.

	798 Stall Garage											
	Monthly	Annual Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	10 Year Total
Revenue												
Transient Visitor Parking (Footnote 1)	$ 175,663	$ 2,107,950	$2,129,030	$2,150,320	$2,171,823	$2,193,541	$2,215,477	$2,237,631	$2,260,008	$2,282,608	$2,305,434	$ 22,053,821
Special Event Revenue	$ 6,000	$ 72,000	$ 72,720	$ 73,447	$ 74,182	$ 74,923	$ 75,673	$ 76,429	$ 77,194	$ 77,966	$ 78,745	$ 753,279
Monthly Revenue	$ 10,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 126,000	$ 126,000	$ 126,000	$ 126,000	$ 126,000	$ 1,230,000
Valet Parking Revenue	$ 11,900	$ 142,800	$ 142,800	$ 142,800	$ 142,800	$ 142,800	$ 149,940	$ 149,940	$ 149,940	$ 149,940	$ 149,940	$ 1,463,700
Total Revenue	**$ 203,563**	**$ 2,442,750**	**$2,464,550**	**$2,486,567**	**$2,508,805**	**$2,531,265**	**$2,567,089**	**$2,590,001**	**$2,613,141**	**$2,636,513**	**$2,660,119**	**$ 25,500,800**
Payroll Related @ + 2%/year												
Manager Salary (1 FTE)	$ 4,000	$ 48,000	$ 48,960	$ 49,939	$ 50,938	$ 51,957	$ 52,996	$ 54,056	$ 55,137	$ 56,240	$ 57,364	$ 525,587
Supervisor Wages (1 FTE)	$ 2,600	$ 31,194	$ 31,818	$ 32,454	$ 33,103	$ 33,765	$ 34,441	$ 35,130	$ 35,832	$ 36,549	$ 37,280	$ 341,566
Customer Service Wages (5 FTE)	$ 9,857	$ 118,287	$ 120,653	$ 123,066	$ 125,527	$ 128,038	$ 130,598	$ 133,210	$ 135,875	$ 138,592	$ 141,364	$ 1,295,210
Vacation Accrual	$ 658	$ 7,899	$ 8,057	$ 8,218	$ 8,383	$ 8,550	$ 8,721	$ 8,896	$ 9,074	$ 9,255	$ 9,440	$ 86,494
Payroll Taxes	$ 2,263	$ 27,151	$ 27,694	$ 28,248	$ 28,813	$ 29,389	$ 29,977	$ 30,577	$ 31,188	$ 31,812	$ 32,448	$ 297,299
Workers' Compensation	$ 1,811	$ 21,729	$ 22,164	$ 22,607	$ 23,059	$ 23,520	$ 23,991	$ 24,471	$ 24,960	$ 25,459	$ 25,968	$ 237,929
Group Insurance (7 FTE)	$ 2,450	$ 29,400	$ 30,870	$ 32,414	$ 34,034	$ 35,736	$ 37,523	$ 39,399	$ 41,369	$ 43,437	$ 45,609	$ 369,790
Total Payroll	**$ 23,638**	**$ 283,661**	**$ 290,216**	**$ 296,946**	**$ 303,858**	**$ 310,956**	**$ 318,247**	**$ 325,738**	**$ 333,434**	**$ 341,344**	**$ 349,474**	**$ 3,153,874**
Garage Repairs & Maintenance @ + 2%/year												
Steam Cleaning	$ 654	$ 7,850	$ 8,007	$ 8,167	$ 8,330	$ 8,497	$ 8,667	$ 8,840	$ 9,017	$ 9,198	$ 9,381	$ 85,955
Contract Sweeping	$ 785	$ 9,420	$ 9,608	$ 9,801	$ 9,997	$ 10,197	$ 10,400	$ 10,608	$ 10,821	$ 11,037	$ 11,258	$ 103,146
Trash Removal	$ 500	$ 6,000	$ 6,120	$ 6,242	$ 6,367	$ 6,495	$ 6,624	$ 6,757	$ 6,892	$ 7,030	$ 7,171	$ 65,698
Pest Control	$ 500	$ 6,000	$ 6,120	$ 6,242	$ 6,367	$ 6,495	$ 6,624	$ 6,757	$ 6,892	$ 7,030	$ 7,171	$ 65,698
Lights	$ 250	$ 3,000	$ 3,060	$ 3,121	$ 3,184	$ 3,247	$ 3,312	$ 3,378	$ 3,446	$ 3,515	$ 3,585	$ 32,849
Fire Alarm Monitoring	$ 150	$ 1,800	$ 1,836	$ 1,873	$ 1,910	$ 1,948	$ 1,987	$ 2,027	$ 2,068	$ 2,109	$ 2,151	$ 19,709
Elevator Maintenance	$ 1,200	$ 14,400	$ 14,688	$ 14,982	$ 15,281	$ 15,587	$ 15,899	$ 16,217	$ 16,541	$ 16,872	$ 17,209	$ 157,676
Graffiti Removal	$ 250	$ 3,000	$ 3,060	$ 3,121	$ 3,184	$ 3,247	$ 3,312	$ 3,378	$ 3,446	$ 3,515	$ 3,585	$ 32,849
Landscaping	$ 250	$ 3,000	$ 3,060	$ 3,121	$ 3,184	$ 3,247	$ 3,312	$ 3,378	$ 3,446	$ 3,515	$ 3,585	$ 32,849
Parking Equipment Repair & Maintenance	$ 1,667	$ 20,000	$ 20,400	$ 20,808	$ 21,224	$ 21,649	$ 22,082	$ 22,523	$ 22,974	$ 23,433	$ 23,902	$ 218,994
Painting	$ 250	$ 3,000	$ 3,060	$ 3,121	$ 3,184	$ 3,247	$ 3,312	$ 3,378	$ 3,446	$ 3,515	$ 3,585	$ 32,849
Depreciation of Revenue Control Equipment	$ 3,333	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ -	$ -	$ -	$ -	$ -	$ 200,000
Total Repairs & Maintenance Expenses	**$ 9,789**	**$ 117,470**	**$ 119,019**	**$ 120,600**	**$ 122,212**	**$ 123,856**	**$ 85,533**	**$ 87,244**	**$ 88,989**	**$ 90,768**	**$ 92,584**	**$ 1,048,275**
Administrative Expenses @ + 2%/year												
Business Licenses	$ 42	$ 500	$ 510	$ 520	$ 531	$ 541	$ 552	$ 563	$ 574	$ 586	$ 598	$ 5,475
General Liability Insurance	$ 942	$ 11,304	$ 11,530	$ 11,761	$ 11,996	$ 12,236	$ 12,481	$ 12,730	$ 12,985	$ 13,244	$ 13,509	$ 123,776
Property Insurance	$ 3,925	$ 47,100	$ 48,042	$ 49,003	$ 49,983	$ 50,983	$ 52,002	$ 53,042	$ 54,103	$ 55,185	$ 56,289	$ 515,732
Damage Claims	$ 500	$ 6,000	$ 6,120	$ 6,242	$ 6,367	$ 6,495	$ 6,624	$ 6,757	$ 6,892	$ 7,030	$ 7,171	$ 65,698
Uniforms	$ 455	$ 5,456	$ 5,565	$ 5,676	$ 5,790	$ 5,906	$ 6,024	$ 6,144	$ 6,267	$ 6,392	$ 6,520	$ 59,739
Telephone/Radios	$ 250	$ 3,000	$ 3,060	$ 3,121	$ 3,184	$ 3,247	$ 3,312	$ 3,378	$ 3,446	$ 3,515	$ 3,585	$ 32,849
Tickets, Keycards, & Validations	$ 250	$ 3,000	$ 3,060	$ 3,121	$ 3,184	$ 3,247	$ 3,312	$ 3,378	$ 3,446	$ 3,515	$ 3,585	$ 32,849
First Aid Supplies	$ 100	$ 1,200	$ 1,224	$ 1,248	$ 1,273	$ 1,299	$ 1,325	$ 1,351	$ 1,378	$ 1,406	$ 1,434	$ 13,140
Stationary & Office Supplies	$ 200	$ 2,400	$ 2,448	$ 2,497	$ 2,547	$ 2,598	$ 2,650	$ 2,703	$ 2,757	$ 2,812	$ 2,868	$ 26,279
Supplies - Water	$ 100	$ 1,200	$ 1,224	$ 1,248	$ 1,273	$ 1,299	$ 1,325	$ 1,351	$ 1,378	$ 1,406	$ 1,434	$ 13,140
Signage	$ 200	$ 2,400	$ 2,448	$ 2,497	$ 2,547	$ 2,598	$ 2,650	$ 2,703	$ 2,757	$ 2,812	$ 2,868	$ 26,279
Barricades & Cones	$ 500	$ 6,000	$ 6,120	$ 6,242	$ 6,367	$ 6,495	$ 6,624	$ 6,757	$ 6,892	$ 7,030	$ 7,171	$ 65,698
Professional Fees	$ 4,000	$ 48,000	$ 48,960	$ 49,939	$ 50,938	$ 51,957	$ 52,996	$ 54,056	$ 55,137	$ 56,240	$ 57,364	$ 525,587
Total Administrative Expenses	**$ 11,463**	**$ 137,560**	**$ 140,311**	**$ 143,117**	**$ 145,980**	**$ 148,899**	**$ 151,877**	**$ 154,915**	**$ 158,013**	**$ 161,173**	**$ 164,397**	**$ 1,506,241**
Other Operating Expenses @ + 2%/year												
Security Services - Existing Service	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Utilities	$ 3,500	$ 42,000	$ 42,840	$ 43,697	$ 44,571	$ 45,462	$ 46,371	$ 47,299	$ 48,245	$ 49,210	$ 50,194	$ 459,888
Garage Reserve Fund	$ 1,635	$ 19,625	$ 20,018	$ 20,418	$ 20,826	$ 21,243	$ 21,668	$ 22,101	$ 22,543	$ 22,994	$ 23,454	$ 214,888
Tram Operating Expenses (2)	$ 48,496	$ 581,952	$ 592,022	$ 602,363	$ 612,978	$ 623,879	$ 531,750	$ 512,953	$ 531,707	$ 552,270	$ 574,953	$ 5,716,827
Miscellaneous Expenses	$ 500	$ 6,000	$ 6,120	$ 6,242	$ 6,367	$ 6,495	$ 6,624	$ 6,757	$ 6,892	$ 7,030	$ 7,171	$ 65,698
Total Other Operating Expenses	**$ 54,131**	**$ 649,577**	**$ 661,000**	**$ 672,720**	**$ 684,742**	**$ 697,078**	**$ 606,413**	**$ 589,110**	**$ 609,387**	**$ 631,503**	**$ 655,771**	**$ 6,457,302**
Total Expenses	**$ 99,022**	**$ 1,188,268**	**$1,210,546**	**$1,233,383**	**$1,256,791**	**$1,280,790**	**$1,162,071**	**$1,157,006**	**$1,189,823**	**$1,224,789**	**$1,262,226**	**$ 12,165,692**
Net Income/(Operating Deficit)	**$ 104,540**	**$ 1,254,482**	**$1,254,004**	**$1,253,184**	**$1,252,013**	**$1,250,475**	**$1,405,019**	**$1,432,995**	**$1,423,319**	**$1,411,724**	**$1,397,893**	**$ 13,335,108**

(1) Revenue growth assumption of 1%/year based on 2004 Jones and Jones Study quoting SANDAG projections (page 82)

(2) Tram Operating Expenses based on three sets of power unit plus three trailers for a capacity of 100 passengers each. $720,00 total cap cost over 72 months lease with 5% residual buyout.

Parking Concepts, Inc.
Balboa Park Plaza de Panama Project
Projected Revenue Stream - 798 Stall Garage

Updated August 2011

Source	Comments	Projected Rate	Projected Occupancy(1)	Number of Turns (2)	Projected # of Tickets/Day	Projected Revenue Year 1	
						Monthly	Annual
Visitor Revenue							
Weekdays (Monday - Friday)	9:00am - 5:00pm	$5.00	51%	2	798	$ 81,795	$ 981,540
Weekdays (Monday - Friday)	5:00pm - 10:00pm	$5.00	36%	1	286	$ 29,315	$ 351,780
Weekends (Saturday & Sunday)	9:00am - 5:00pm	$5.00	62%	2	970	$ 46,075	$ 552,900
Weekends (Saturday & Sunday)	5:00pm - 10:00pm	$5.00	50%	1	389	$ 18,478	$ 221,730
Total Visitor Revenue		**Average**	**50%**			**$ 175,663**	**$ 2,107,950**
Special Event Revenue							
Special Event Parking - Non Peak	Five (5) Events per Month	$5.00	25%	1	200	$ 5,000	$ 60,000
Special Event Parking - Peak	Three (3) Events per Month	$10.00	50%	1	400	$ 12,000	$ 144,000
Total Special Event Revenue			**9%**			**$ 17,000**	**$ 204,000**
Monthly Parking Revenue							
Alcazar Lots Regular Users	6:00am - 2:00am Daily	$50	6%	NA	50	$ 2,500	$ 30,000
Organ Pavillion Lot Regular Users	6:00am - 2:00am Daily	$50	6%	NA	50	$ 2,500	$ 30,000
Total Monthly Parking Revenue		**Average**	**13%**			**$ 5,000**	**$ 60,000**
Valet Parking Revenue							
Designated Valet Spaces	Lowest Level	$100/month	5%	NA	40	$ 4,000	$ 48,000
Special Event Valet Revenue	50 cars per weekend night	$4.00	NA	NA	50	$ 1,900	$ 22,800
Total Valet Parking Revenue		**Average**	**5%**			**$ 5,900**	**$ 70,800**
Total Projected Garage		**Average**	**77%**			**$ 203,563**	**$ 2,442,750**

(1)"Occupancy %" based on "Car Counts", not "Tickets Issued". Total Garage Average of 88% includes Visitor, Monthly, and Valet (does Not include Special Event Parkin
The Garage Occupancy Average of 77% is relatively close (allowing for projected annual growth) to the 90% Visitor Parking Garage Goal as referenced in the 2004 Jones and Jones Study (page 82).

(2) Number of Turns based on Average Stay of Three Hours (2004 Jones and Jones Study Appendix G - Page 76)

(3) The garage parking rate has been adjusted to reflect a new pricing structure of $5.00 for up to five hours. The $1.00 per hour rate compares to the City of San Diego on-street rate of $1.25 per hour and the San Francisco Golden Gate Park rate of $3.50 per hour ($4.50 per hour on weekends). This rate structure will discourage staff parking at the $5.00 all day rate previously recommended.

(4) Number of projected special events based on "Balboa Park 6 Month Events Calendar" dated December 1, 2010. "Special Events - Peak" defined as events with at leas
2,000 projected attendance in the area of the Central Mesa (or any very large event anywhere in the Park). These events do not include Sunday Organ Concerts scheduled at the Organ Pavillion or small events scheduled around the Park.

Attachment 1 - Revised 01/23/12

Parking Concepts, Inc.
Balboa Park Plaza de Panama Renovation
Projected Garage Operations and Maintenance (O&M) Pro Forma

Assumptions for Paid Parking in Garage Only

Ref. #	Category	Assumptions
	General Operating Assumptions	
	798 Stall Garage Design	3 Levels, 2 Elevator Cabs
	Parking Revenue Collected	Parking Revenue Control Equipment Installed (Propose "Pay at Entry" Revenue Contol)
	Garage Operating Hours	6:00am - 2:00am
	Garage Staffing Hours	8:00am - 9:00 pm
	Revenue	
1	Transient Parking Revenue	Based on Initial Demand Projections + Growth @ 1% per Year
2	Special Event Revenue	Based on Three Events per Month @ $10/car x 200 Cars
3	Monthly Parking Revenue	$50/month Discounted Rate for Designated Staff
4	Valet Parking Revenue	Intitial Projected Rate of $100/space for 100 Cars
	Payroll Related	
5	Manager Salary (1 FTE)	$4,000 per month + 2%/year
6	Supervisor Wages (1FTE)	8 hours/day @ $15.00/hour x 21.67 days + 2%/year
7	Cashier/Customer Service Wages (5 FTE)	22 hours/day + 4.0 hours for breaks @ $12.50/hour x 30.33 days/month + 2%/year
8	Vacation Accrual	4.0% of Wages
9	Payroll Taxes	13.22% of Wages
10	Workers' Compensation	10.58% of Wages
11	Group Insurance	$350 per FTE + 5% Increase/year
	Garage Repairs & Maintenance	
12	Steam Cleaning	$10.00/stall per year + 2%/year
13	Contract Sweeping	Sweeping @ $1.00/stall per month + 2%/year
14	Trash Removal	$500/month + 2%/year
15	Pest Control	$500/month + 2%/year
16	Lights	$250 per month + 2%/year
17	Fire Alarm Monitoring	$150/month + 2%/year
18	Elevator Maintenance	3 Elevator cars x $400/car per month + 2%/year
19	Graffiti Removal	$250/month + 2%/year
20	Landscaping	$250/month + 2%/year
21	Parking Equipment Repair & Maintenance	Estimated at 10% of equipment cost per year + 2%/year
22	Painting	$250/month + 2%/year
23	Depreciation of Revenue Control Equipment	2 Entrance/Exit Points at $100,000 each Over Five Years
	Administrative Expenses	
24	Business Licenses	$500/year + 2%/year
25	General Liability Insurance	$1.20/stall per month + 2%/year
26	Property Insurance	$.24/$100 of garage valuation @ $25k/stall + 2%/year
27	Damage Claims	$500 per month + 2%/year
28	Uniforms	$15/week per employee + 2%/year
29	Telephone/Radios	$250/month + 2%/year
30	Tickets, Keycards, & Validations	$250/month + 2%/year
31	First Aid Supplies	$100/month + 2%/year
32	Stationary & Office Supplies	$200/month + 2%/year
33	Supplies - Water	$100/month + 2%/year
34	Signage	$200/month + 2%/year
35	Barricades & Cones	$500 per month + 2%/year
36	Professional Fees	Parking Management fees @ $4,000/month + 2%/year
	Other Operating Expenses	
37	Security Services	Existing Park Security Service
38	Utilities	$3,500 per month + 2%/year
39	Garage Reserve Fund	$25 per Stall/year + 2%/year
40	Miscelleaneous	$500 per month + 2%/year

Parking Concepts, Inc.
Balboa Park Plaza de Panama Project
Projected Tram Operating Expenses - Revised September 2011

Based on Three Sets of Power Unit plus 3 Trailers each

		3 Trams											
	Assumptions	**Monthly**	**Annual Yr 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**	**Year 7**	**Year 8**	**Year 9**	**Year 10**	**10 Year Total**
Revenue													
Revenue	No revenue collected	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Revenue		**$ -**	**$ -**	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Payroll Related													
Manager Salary (1 FTE)	Included in Garaage Manager Salary	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Supervisor Wages (1 FTE)	Dedicated Supervisor position	$ 2,580	$ 30,960	$ 31,579	$ 32,211	$ 32,855	$ 33,512	$ 34,182	$ 34,866	$ 35,563	$ 36,275	$ 37,000	$ 339,003
Tram Driver Wages (6 FTE + 2PT)	Propose three trams for peak periods*	$ 15,416	$ 184,986	$ 188,686	$ 192,459	$ 196,309	$ 200,235	$ 204,239	$ 208,324	$ 212,491	$ 216,741	$ 221,075	$ 2,025,545
Vacation Accrual	4.0% of Wages	$ 720	$ 8,638	$ 8,811	$ 8,987	$ 9,167	$ 9,350	$ 9,537	$ 9,728	$ 9,922	$ 10,121	$ 10,323	$ 94,582
Payroll Taxes	13.22% of Wages	$ 2,474	$ 29,690	$ 30,284	$ 30,889	$ 31,507	$ 32,137	$ 32,780	$ 33,436	$ 34,104	$ 34,787	$ 35,482	$ 325,097
Workers' Compensation	10.58% of Wages	$ 1,980	$ 23,761	$ 24,236	$ 24,721	$ 25,215	$ 25,720	$ 26,234	$ 26,759	$ 27,294	$ 27,840	$ 28,397	$ 260,176
Group Insurance (7 FTE)	$350/FTE	$ 2,450	$ 29,400	$ 30,870	$ 32,414	$ 34,034	$ 35,736	$ 37,523	$ 39,399	$ 41,369	$ 43,437	$ 45,609	$ 369,790
Total Payroll		**$ 25,620**	**$ 307,435**	**$ 314,465**	**$ 321,681**	**$ 329,087**	**$ 336,690**	**$ 344,496**	**$ 352,511**	**$ 360,743**	**$ 369,199**	**$ 377,886**	**$ 3,414,193**
Shuttle Tram Operating Expenses													
Business Licenses	Separate Business License	$ 42	$ 500	$ 510	$ 520	$ 531	$ 541	$ 552	$ 563	$ 574	$ 586	$ 598	$ 5,475
Substance Abuse Testing Program	Includes pre-employment testing	$ 250	$ 3,000	$ 3,060	$ 3,121	$ 3,184	$ 3,247	$ 3,312	$ 3,378	$ 3,446	$ 3,515	$ 3,585	$ 32,849
General Liability Insurance	Based on tram route and ridership	$ 1,500	$ 18,000	$ 18,360	$ 18,727	$ 19,102	$ 19,484	$ 19,873	$ 20,271	$ 20,676	$ 21,090	$ 21,512	$ 197,095
Vehicle Insurance	Based on tram cost	$ 900	$ 10,800	$ 11,016	$ 11,236	$ 11,461	$ 11,690	$ 11,924	$ 12,163	$ 12,406	$ 12,654	$ 12,907	$ 118,257
Vehicle Lease Expense**	3 trams over 72 month lease term	$ 12,000	$ 144,000	$ 144,000	$ 144,000	$ 144,000	$ 144,000	$ 36,000	$ -	$ -	$ -	$ -	$ 756,000
Vehicle Fuel	750 trips/wk x .5 mile @ 5mpg x $3.50/gal	$ 1,200	$ 14,400	$ 15,120	$ 15,876	$ 16,670	$ 17,503	$ 18,378	$ 19,297	$ 20,262	$ 21,275	$ 22,339	$ 181,122
Vehicle Repairs and Maintenance	Increase of 2%/years 1-5, then +20%/year	$ 2,000	$ 24,000	$ 24,480	$ 24,970	$ 25,469	$ 25,978	$ 31,174	$ 37,409	$ 44,891	$ 53,869	$ 64,643	$ 356,882
Vehicle License Fees	Based on experience	$ 400	$ 4,800	$ 4,896	$ 4,994	$ 5,094	$ 5,196	$ 5,300	$ 5,406	$ 5,514	$ 5,624	$ 5,736	$ 52,559
Damage Claims	Based on experience	$ 1,000	$ 12,000	$ 12,240	$ 12,485	$ 12,734	$ 12,989	$ 13,249	$ 13,514	$ 13,784	$ 14,060	$ 14,341	$ 131,397
Uniforms	$15/week per employee	$ 585	$ 7,015	$ 7,155	$ 7,298	$ 7,444	$ 7,593	$ 7,745	$ 7,900	$ 8,058	$ 8,219	$ 8,383	$ 76,808
Telephone/Radios	Based on experience	$ 200	$ 2,400	$ 2,448	$ 2,497	$ 2,547	$ 2,598	$ 2,650	$ 2,703	$ 2,757	$ 2,812	$ 2,868	$ 26,279
Tickets, Keycards, & Validations	Not Applicable	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
First Aid Supplies	Based on experience	$ 100	$ 1,200	$ 1,224	$ 1,248	$ 1,273	$ 1,299	$ 1,325	$ 1,351	$ 1,378	$ 1,406	$ 1,434	$ 13,140
Stationary & Office Supplies		$ 200	$ 2,400	$ 2,448	$ 2,497	$ 2,547	$ 2,598	$ 2,650	$ 2,703	$ 2,757	$ 2,812	$ 2,868	$ 26,279
Supplies - Water	Based on experience	$ 100	$ 1,200	$ 1,224	$ 1,248	$ 1,273	$ 1,299	$ 1,325	$ 1,351	$ 1,378	$ 1,406	$ 1,434	$ 13,140
Signage	Based on experience	$ 200	$ 2,400	$ 2,448	$ 2,497	$ 2,547	$ 2,598	$ 2,650	$ 2,703	$ 2,757	$ 2,812	$ 2,868	$ 26,279
Barricades & Cones	Based on experience	$ 200	$ 2,400	$ 2,448	$ 2,497	$ 2,547	$ 2,598	$ 2,650	$ 2,703	$ 2,757	$ 2,812	$ 2,868	$ 26,279
Professional Fees	Tram management fees	$ 2,000	$ 24,000	$ 24,480	$ 24,970	$ 25,469	$ 25,978	$ 26,498	$ 27,028	$ 27,568	$ 28,120	$ 28,682	$ 262,793
Total Shuttle Tram Operating Expenses		**$ 22,876**	**$ 274,515**	**$ 277,557**	**$ 280,682**	**$ 283,892**	**$ 287,189**	**$ 187,254**	**$ 160,442**	**$ 170,964**	**$ 183,071**	**$ 197,067**	**$ 2,302,633**
Total Expenses		**$ 48,496**	**$ 581,949**	**$ 592,022**	**$ 602,363**	**$ 612,978**	**$ 623,879**	**$ 531,750**	**$ 512,953**	**$ 531,707**	**$ 552,270**	**$ 574,953**	**$ 5,716,826**
Net Income/(Operating Deficit)		**$ (48,496)**	**$ (581,949)**	**$ (592,022)**	**$ (602,363)**	**$ (612,978)**	**$ (623,879)**	**$ (531,750)**	**$ (512,953)**	**$ (531,707)**	**$ (552,270)**	**$ (574,953)**	**$ (5,716,826)**

Year 6 Vehicle Lease Expense reflects a buyout of the Operating Lease at the Residual Rate of 5% of Original Cap Cost.

* Tram #1 to run from 8:00am - 11:00pm daily. Tram #2 to operate evenings from 6:00pm - 11:00pm and on weekends from 9:00am until 11:00pm. Trams #3 to operate daily from 6:00pm until 11:00pm. Based on a proposed total tram capacity of 300 passengers, projected maximum wait time for three simultaneous Old Globe events will be 10 minutes or less. Schedule also includes four hours per day for fueling and wash time. Additional hours as needed for special events.

** Trams will be purchased and leased (72 month term) during Construction Phase. Remaining term and lease payments will be allocated to the parking structure operation at the time garage operations commence.

APPENDIX E

Air Quality Technical Report

RECON

Air Quality Analysis for the Balboa Park Plaza de Panama Project, City of San Diego Project No. 233958

Prepared for

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RECON Number 6095
April 25, 2012 (Revised)

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1.0 Summary

This report evaluates potential local and regional air quality impacts associated with the Balboa Park Plaza de Panama project. The project is located in Balboa Park in the City of San Diego. The Balboa Park Plaza de Panama project proposes to return pedestrian uses at locations throughout the park including the Plaza de Panama, El Prado, Plaza de California, and the Mall. This will be achieved by making a variety of circulation and parking structural improvements to reclaim these locations in the park for pedestrians by removing vehicular access.

As discussed below, emissions due to construction and operation of the project would be less than applicable thresholds for all criteria pollutants. The project would reduce vehicle emission concentrations in the Alcazar Garden because of the project area wind characteristics and the location of vehicle traffic in relation to receivers in the Alcazar Garden. Additionally, the project would not conflict with the RAQS or state implementation plan (SIP) and impacts associated with conflicts with regional air plans. All air quality impacts would be less than significant.

2.0 Introduction and Project Description

The purpose of this report is to assess potential short- and long-term local and regional air quality impacts resulting from development of the project.

Air pollution affects all southern Californians. Effects can include the following:

- Increased respiratory infections
- Increased discomfort
- Missed days from work and school
- Increased mortality

Polluted air also damages agriculture and our natural environment.

The project is located within the San Diego Air Basin (SDAB), one of 15 air basins that geographically divide the state of California. The SDAB is currently classified as a federal non-attainment area for ozone and a state non-attainment area for particulate matter less than 10 microns (PM_{10}), particulate matter less than 2.5 microns ($PM_{2.5}$), and ozone.

Air quality impacts can result from the construction and operation of a project. Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from growth-inducing development or local hot-spot effects stemming from sensitive receivers being placed close to highly congested roadways. In the case of this project, the primary source of emissions would be construction activities. As discussed below, because the project would not result in an increase in vehicle trips, operational emissions would be similar to the existing condition.

The analysis of impacts is based on state and federal ambient air quality standards and is assessed in accordance with the guidelines, policies, and standards established by the City of San Diego and the San Diego Air Pollution Control District (SDAPCD). Project compatibility with the adopted air quality plan for the area is also assessed. Measures are recommended, as required, to reduce potentially significant impacts.

2.1 Project Description

As discussed above, the Balboa Park Plaza de Panama project proposes to return pedestrian uses at locations throughout the park including the Plaza de Panama, El Prado, California Plaza, and the Mall. The main objectives of the project include the following:

- Remove vehicles from the Plaza de Panama, El Prado, Plaza de California, the Mall, and Pan American Road while maintaining public and proximate vehicular access to the institutions which are vital to the park’s success and longevity.

- Restore pedestrian and park uses to El Prado, Plaza de Panama, Plaza de California, the Mall, and the California Gardens behind the Organ Pavilion.

- Improve access to the Central Mesa through the provision of additional parking, while maintaining convenient drop-off, disabled access, and valet parking, and a new tram system with the potential for future expansion.

- Improve the pedestrian link between the Central Mesa’s two cultural cores: El Prado and the Palisades.

- Implement a funding plan including bonds that provides for a self-sustaining parking structure intended to fund the structure’s operation and maintenance, the planned tram operations, and the debt service on the structure only.

- Complete all work prior to January 2015 for the 1915 Panama-California Exposition centennial celebration.

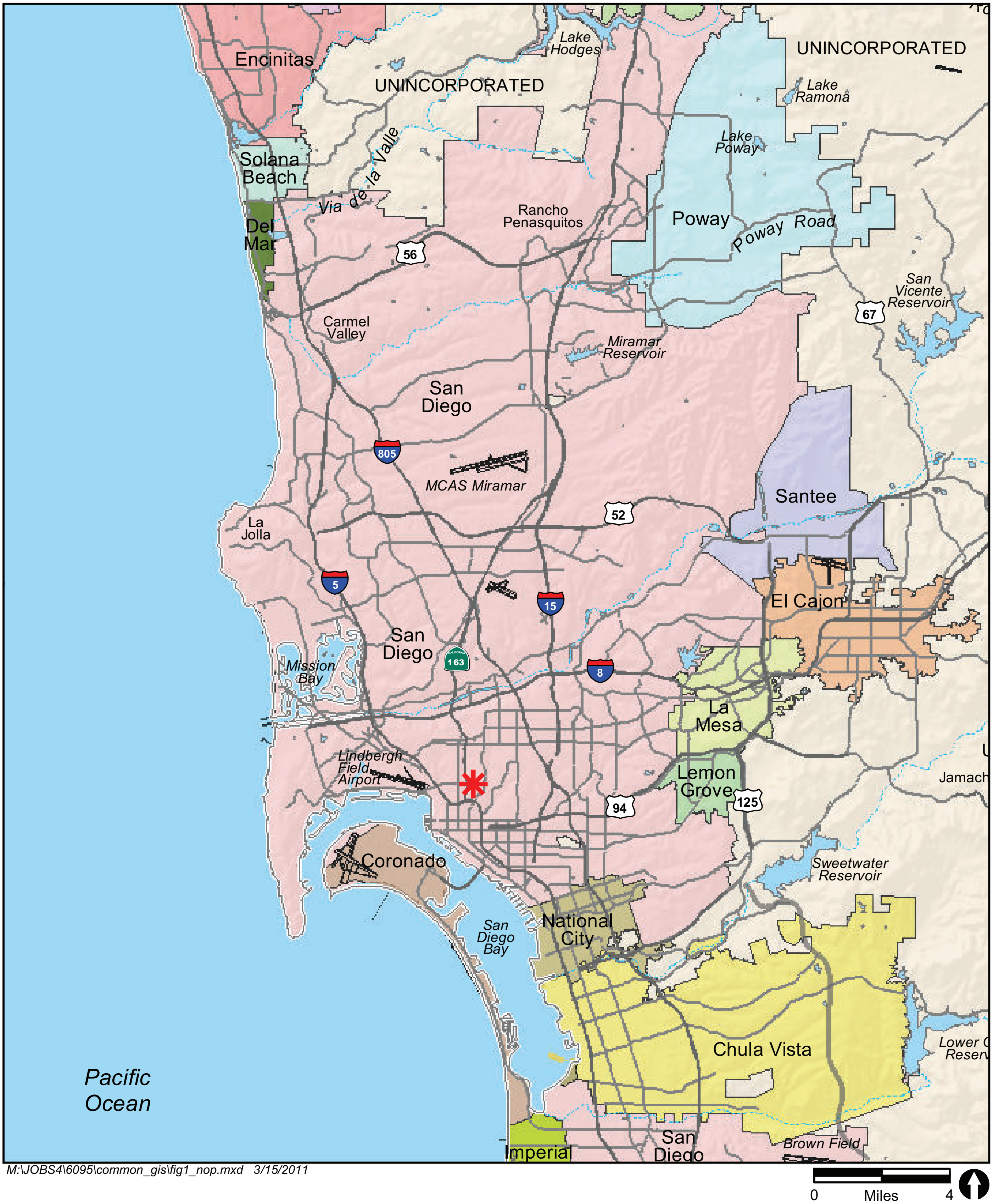
Figure 1 shows the regional location of the project. Figure 2 shows an aerial photograph of the project and vicinity. Figure 3 shows the conceptual master plan. Figure 4 shows the proposed site plan. The specific improvements are detailed below. The numbers below correspond to the numbered areas shown in Figure 4.

1. **Plaza de Panama:** Consistent with the approved Balboa Park Master Plan and 1992 Central Mesa Precise Plan, parking would be removed from the Plaza de Panama and the Plaza would be rehabilitated for pedestrian use. The Precise Plan permitted automobile traffic and a drop-off at the southwest corner of the Plaza, which is inconsistent with the historic use. This project improves upon the Precise Plan concept by eliminating automobile traffic from the Plaza and adjacent promenades.

2. **El Prado and Plaza de California:** The historic uses of El Prado and Plaza de California were for pedestrian circulation and open space. El Prado is the primary east-west spine that runs the length of the Central Mesa, from the Cabrillo Bridge at the west to the Plaza de Balboa at the east. The Plaza de California is the small plaza encircled by the California Building. The project would remove vehicle traffic from El Prado.

3. **Centennial Bridge and Road:** Centennial Bridge and Road are proposed to divert vehicular traffic from the center of Balboa Park, allowing the El Prado to be used by pedestrians. The new two-way Centennial Road would provide a connection beginning at the east end of the Cabrillo Bridge continuing through the eucalyptus grove around the southwest corner of the Museum of Man.

4. **Alcazar Parking Lot:** The existing Alcazar parking lot would be redesigned to provide additional accessible parking as well as passenger drop-off, museum loading, and valet service. The proposed lot includes 32 Americans with Disabilities Act (ADA) stalls, approximately 16 valet stacking spaces with a small valet booth (36 square feet), and a passenger drop-off area adjacent to the historic Alcazar Garden. There would also be a small valet booth. Parking for other vehicles would not be permitted in this lot. Most cars would continue east on the Centennial Road and would park in the Organ Pavilion parking structure that is discussed below.



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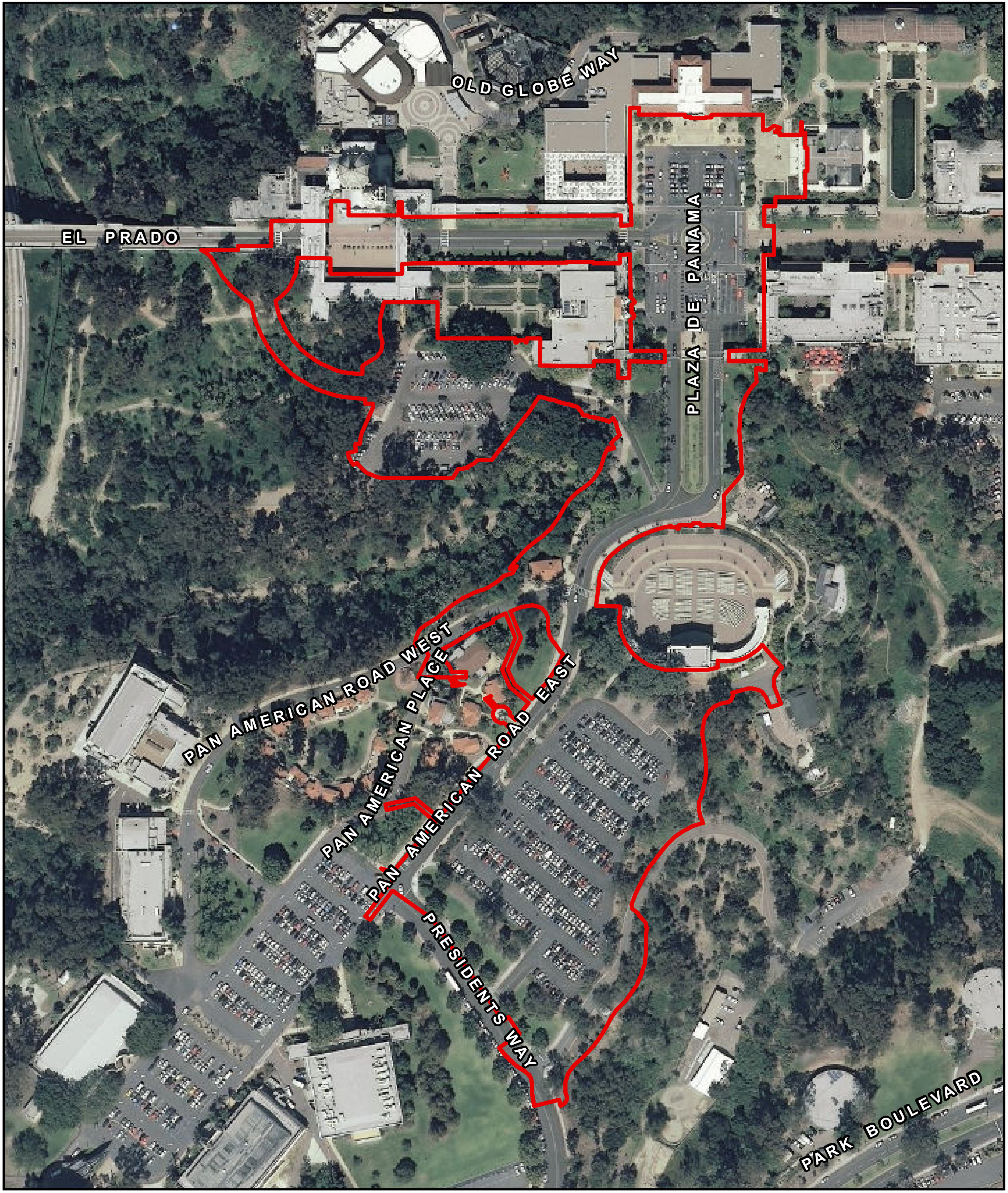
✱ Project Location

FIGURE 1

Regional Location

Image Source: Copyright 2010 AerialsExpress, All Rights Reserved (flown Feb 2010)



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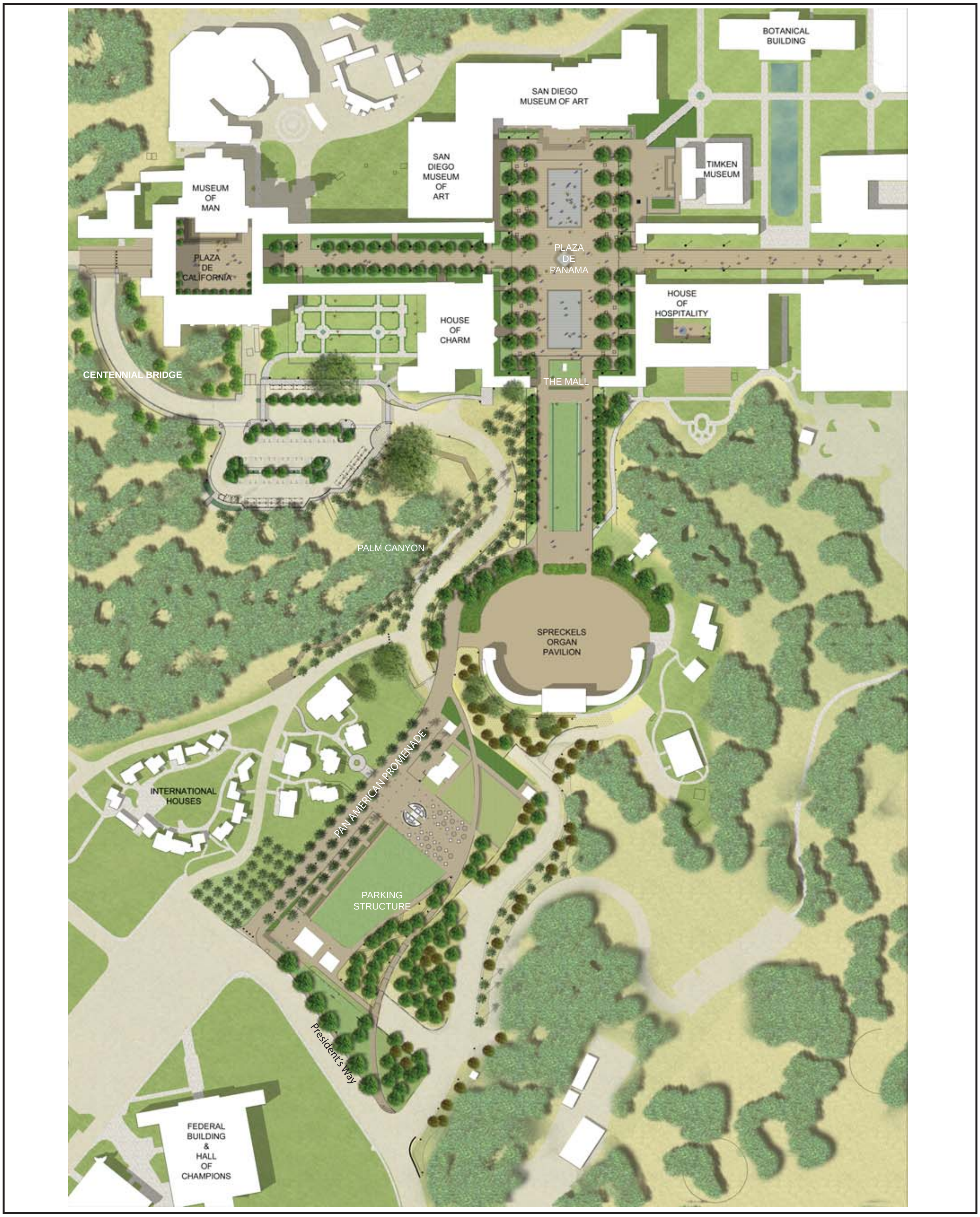
🟥 Project Area

FIGURE 2

Aerial Photograph of Project Site and Vicinity

Map Source: Rick Engineering



No Scale

FIGURE 3

Conceptual Master Plan

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Map Source: Rick Engineering

- Proposed Plaza Tram/Shuttle Route
- Proposed Organ Pavilion Parking Structure
- Proposed Pedestrian Restoration
- Proposed Roadways
- Alcazar Parking Lot
- Existing Park-wide Tram Route

1 Plaza de Panama
2 El Prado and Plaza de California
3 Centennial Bridge and Centennial Road
4 Alcazar Parking Lot
5 The Mall and Pan American Promenade
6 Parking Structure and Rooftop Park

No Scale

FIGURE 4

Site Plan

5. **The Mall and Pan American Promenade:** The Mall is the roadway and landscaped median between the Plaza de Panama and the Spreckels Organ Pavilion. Pan American Road is the segment of street that connects the Mall to Presidents Way. The Mall and Pan American Road are currently used for vehicular circulation. Pedestrian access is limited to sidewalks at both sides of the road. The project would reclaim both the Mall and Pan American Road for pedestrian access by rerouting vehicle traffic west of Pan American Road. The new route would then pass below Pan American Road to access the north side of the new parking structure discussed below.

6. **Parking Structure and Rooftop Park:** A new parking structure and park top would be constructed at the location of the existing Organ Pavilion surface lot. The new structure would allow pedestrian and vehicular traffic to be safely separated. In addition, the new multi-level underground structure would allow reclamation of open space for landscape and pedestrian/park use on the top of the parking structure. The proposed 265,242-square-foot underground parking structure would provide 798 parking spaces on three levels with a 2.2-acre rooftop park. Vehicle access to and from the new structure would be provided on the north side of the structure from the new Centennial Road. Vehicle access will be grade separated from pedestrian traffic eliminating the current pedestrian/vehicular conflicts. The vehicle road would continue along the east side of the structure to a secondary parking entrance/exit and the road would continue to Presidents Way and Park Boulevard.

3.0 Regulatory Framework

Motor vehicles are San Diego County’s leading source of air pollution and the largest contributor to greenhouse gases (County of San Diego 2008). In addition to these sources, other mobile sources include construction equipment, trains, and airplanes.

Emission standards for mobile sources are established by state and federal agencies such as the California Air Resources Board (CARB) and the U.S. Environmental Protection Agency (U.S. EPA). Reducing mobile source emissions requires the technological improvement of existing mobile sources and the examination of future mobile sources such as those associated with new or modification projects. The state of California has developed state-wide programs to encourage cleaner cars and cleaner fuels. Since 1996, smog-forming emissions from motor vehicles have been reduced by 15 percent and the cancer risk from exposure to motor vehicle air toxics has been reduced by 40 percent (County of San Diego 2008). The regulatory framework described below details the federal and state agencies that are in charge of monitoring and controlling mobile source air pollutants and what measures are currently being taken to achieve and maintain healthful air quality in the SDAB.

In addition to mobile sources, stationary sources also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources of air pollution are regulated by the local air pollution control or management district, in this case the SDAPCD.

The state of California is divided geographically into 15 air basins for the purpose of managing the air resources of the state on a regional basis. Areas within each air basin are considered to share the same air masses and, therefore, are expected to have similar ambient air quality. If an air basin is not in either federal or state attainment for a particular pollutant, the basin is classified as a moderate, serious, severe, or extreme non-attainment area (there is also a marginal classification for federal non-attainment areas).

3.1 Federal Regulations

Ambient Air Quality Standards (AAQS) represent the maximum levels of background pollution considered safe, with an adequate margin of safety, to protect the public health and welfare. The federal Clean Air Act (CAA) was enacted in 1970 and amended in 1977 and 1990 [42 U.S.C. 7401] for the purposes of protecting and enhancing the quality of the nation’s air resources to benefit public health, welfare, and productivity. In 1971, in order to achieve the purposes of Section 109 of the CAA [42 U.S.C. 7409], the U.S. EPA developed primary and secondary national ambient air quality standards (NAAQS).

Seven pollutants of primary concern have been designated: ozone (O_3), carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), lead (Pb), PM_{10}, and $PM_{2.5}$. The primary NAAQS “. . . in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health . . . ” and the secondary standards “. . . protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air” (42 U.S.C. 7409(b)(2)). The primary standards were established, with a margin of safety, considering long-term exposure for the most sensitive groups in the general population (i.e., children, senior citizens, and people with breathing difficulties).

In 1997, the U.S. EPA promulgated a new 8-hour ozone standard of 8 parts per hundred million (pphm) to replace the existing 1-hour standard of 12 pphm. On June 15, 2004, the portion of the SDAB containing the project site was designated a “basic” non-attainment area for the 8-hour ozone standard under Subpart 1 of Part D of the CAA. Per the U.S. EPA’s final Phase 1 rule for implementing the 8-hour ozone standard, the 1-hour ozone standard was to be revoked “in full, including the associated designations and classifications, one year following the effective date of the designations for the eight-hour NAAQS [for ozone]” (69 FR 23951). As such, the 1-hour ozone standard was revoked in the SDAB on June 15, 2005. Requirements for transitioning from the 1-hour to 8-hour ozone standard are described in the final rule.

However, because of subsequent litigation concerning the Phase 1 implementation rule, the provisions of the 8-hour ozone standard Phase 1 implementation rule that placed 8-hour ozone nonattainment areas under Subpart 1, part D, Title I of the CAA instead of Subpart 2 were vacated. Consequently, on January 16, 2009, it was proposed that the SDAB be classified as “moderate” non-attainment for the 8-hour ozone standard under Subpart 2 (U.S. EPA 2009a). Under Subpart 2, consistent with Section 182 of the CAA, the period of attainment for areas designated as moderate nonattainment will be no more than six years from the effective date of designation (U.S. EPA 2009a). Because the effective date of designation for the 8-hour ozone standard was June 15, 2004, attainment of the 8-hour ozone standard for the SDAB was to occur by June 15, 2010. To date, the 1997 8-hour ozone standard has not been demonstrated.

On March 12, 2008, the U.S. EPA revised the 8-hour ozone standard to 7.5 pphm. On March 12, 2009, CARB submitted its recommendations for area designations for the revised federal 8-hour ozone standard. The recommendations are based on ozone measurements collected during 2006 through 2008. It was recommended that the SDAB be classified as nonattainment for the revised standard. The U.S. EPA was required to issue final area designations no later than March 2010. However, there was insufficient information to make these designations and the U.S. EPA extended the deadline to March 2011. However, criticism of the standards proposed in March 2008 resulted in the reconsideration of those standards by the U.S. EPA. On January 16, 2010, the U.S. EPA again proposed revision of the 8-hour ozone standards. The U.S. EPA proposed to set the primary standard at a level ranging between 6 and 7 pphm. The U.S. EPA also proposed establishing a distinct cumulative, seasonal “secondary” standard, designed to protect sensitive vegetation and ecosystems, including forests, parks, wildlife refuges and wilderness areas. The U.S. EPA proposed to set the secondary standard at a level within the range of 7–15 parts per million-hours (ppm-hours).

The U.S. EPA was to issue final standards by August 31, 2010, but to date this has not occurred. Rather, on December 8, 2010 the U.S. EPA Administrator asked the Clean Air Scientific Advisory Committee (CASAC) for further interpretation of the epidemiological and clinical studies used to make their recommendation. On January 26, 2011, the U.S. EPA provided “charge questions” to the CASAC regarding the reconsideration of the 2008 ozone standards. The U.S. EPA reviewed the additional input CASAC provided and set the final 8-hour ozone standard to 0.070 ppm in July 2011. On September 2, 2011, President Obama directed the U.S. EPA to withdraw the draft ozone NAAQS. Therefore, the U.S. EPA will continue to implement the standards set during the previous administration while the ongoing five-year review of the updated science continues, which is scheduled to be completed in 2013.

The SDAB is an unclassified area for the federal PM_{10} standard and an attainment area for the federal $PM_{2.5}$ standard. On September 21, 2006, the U.S. EPA revised the NAAQS for particulate matter. The 24-hour $PM_{2.5}$ standard was strengthened from 65 micrograms per cubic meter ($\mu g/m^3$) to 35 $\mu g/m^3$. The existing standard for annual $PM_{2.5}$ of 15 $\mu g/m^3$ remained the same. In addition, the U.S. EPA also revised the standard for PM_{10}. Due to a lack of evidence linking health problems to long-term exposure to coarse particle pollution, the agency revoked the annual PM_{10} standard (effective December 17, 2006). The SDAB was classified as attainment for the new 24-hour $PM_{2.5}$ standard (U.S. EPA 2009b).

The SDAB is an attainment area for the SO_2 standards. On June 2, 2010, the U.S. EPA established a new 1-hour SO_2 standard, effective August 23, 2010. The revised standard is based on the three-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The U.S. EPA also revoked both the existing 24-hour SO_2 standard of 0.14 ppm and the annual primary SO_2 standard of 0.030 ppm, effective August 23, 2010. The secondary SO_2 standard was not revised at that time, but is undergoing a separate review by the U.S. EPA. The U.S. EPA intends to complete designations for the new standards within two years of promulgation, which would be by June 2012. Areas designated nonattainment would be required to submit SIPs within two years that demonstrate how the standard would be met no later than August 2017. All other areas would be required to submit maintenance plans by June 2013.

All areas of the state, including the SDAB, are either unclassified or in attainment of the NO_2 standards. On January 22, 2010, the U.S. EPA strengthened the 1-hour NO_2 standard to 100 parts per billion (ppb) based on the three-year average of the 98th percentile of the annual distribution of daily maximum 1-hour average concentrations. The annual NO_2 standard of 53 ppb remained unchanged. The U.S. EPA intends to complete designations for the new standards within two years of promulgation, which would be by January 2012. To determine compliance with the standard, the new NO_2 rule also establishes a new ambient air monitoring network and reporting requirements. Once the expanded network of NO_2 monitors is fully deployed and three years of air quality data have been collected, the U.S. EPA intends to redesignate areas in 2016 or 2017, as appropriate, based on the air quality data from the new monitoring network.

The SDAB is an attainment area for the federal lead standard. In 2008, the U.S. EPA revised the primary standard for lead from 1.5 $\mu g/m^3$ to 0.15 $\mu g/m^3$ over a rolling three-month period, and revised the secondary standard to be identical to the primary standard. The 1978 lead NAAQS will be retained until one year after designations for the new standards, except in current nonattainment areas. The SDAB is in attainment of the 1978 lead NAAQS.

CARB was required to provide the U.S. EPA with designation recommendations by October 2009 and on October 14, 2009 the CARB recommended to the U.S. EPA that the SDAB be designated unclassifiable for the new lead standard. Although the CARB was required to make area designation recommendations by October 2009, the U.S. EPA recognizes that the current lead sampling network is not adequate in most areas. Therefore, the U.S. EPA may take an additional two years to designate areas with insufficient data. New lead samplers will be deployed during this time period to collect additional data needed to identify designations for many areas with no or limited monitoring data. The final lead ambient air monitoring requirements were established by the EPA on December 14, 2010. It is unknown at this time how this may affect the designation of the SDAB.

The SDAB is a maintenance area for CO.

The current federal AAQS are presented in Table 1.

3.2 State Regulations

The U.S. EPA allows states the option to develop different (stricter) standards. The state of California generally has set more stringent limits on the seven criteria pollutants (see Table 1). The California Clean Air Act (CAA), also known as the Sher Bill, or Assembly Bill (AB) 2595, was signed into law on September 30, 1988, and became effective on January 1, 1989. The California CAA requires that districts implement regulations to reduce emissions from mobile sources through the adoption and enforcement of transportation control measures. The California CAA requires that a district must (South Coast Air Quality Management District [SCAQMD] 2007):

- Demonstrate the overall effectiveness of the air quality program;
- Reduce nonattainment pollutants at a rate of 5 percent per year, or include all feasible measures and expeditious adoption schedule;
- Implement public education programs;
- Reduce per-capita population exposure to severe nonattainment pollutants according to a prescribed schedule;
- Include any other feasible controls that can be implemented, or for which implementation can begin, within 10 years of adoption of the most recent air quality plan; and
- Rank control measures by cost-effectiveness and implementation priority.

TABLE 1
AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards[1]		Federal Standards[2]		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O_3)	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m^3)		0.075 ppm (147 µg/m^3)		
Respirable Particulate Matter (PM_{10})	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		–		
Fine Particulate Matter ($PM_{2.5}$)	24 Hour	No Separate State Standard		35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	15.0 µg/m^3		
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m^3)	Non-dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m^3)	None	Non-dispersive Infrared Photometry (NDIR)
	1 Hour	20 ppm (23 mg/m^3)		35 ppm (40 mg/m^3)		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		–	–	–
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)	Gas Phase Chemi-luminescence	0.053 ppm (100 µg/m^3)[8]	Same as Primary Standard	Gas Phase Chemi-luminescence
	1 Hour	0.18 ppm (339 µg/m^3)		0.100 ppm[8]	None	
Sulfur Dioxide (SO_2)[9]	24 Hour	0.04 ppm (105 µg/m^3)	Ultraviolet Fluorescence	–	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)[9]
	3 Hour	–		–	0.5 ppm (1300 µg/m^3)[9]	
	1 Hour	0.25 ppm (655 µg/m^3)		0.075 ppm (196 µg/m^3)[9]	–	
Lead[10]	30 Day Average	1.5 µg/m^3	Atomic Absorption	–	–	–
	Calendar Quarter	–		1.5 µg/m^3	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average[11]	–		0.15 µg/m^3		
Visibility Reducing Particles	8 Hour	Extinction coefficient of 0.23 per kilometer – visibility of ten miles or more (0.07 – 30 miles or more for Lake Tahoe) due to particles when relative humidity is less than 70 percent. Method: Beta Attenuation and Transmittance through Filter Tape.		No Federal Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chroma-tography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[10]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chroma-tography			

SOURCE: State of California 2010.

ppm = parts per million; µg/m^3 = micrograms per cubic meter; – = not applicable.

TABLE 1
AMBIENT AIR QUALITY STANDARDS
(continued)

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[1] California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, suspended particulate matter—PM10, PM2.5, and visibility reducing particles—are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[2] National standards (other than ozone, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. Environmental Protection Agency (EPA) for further clarification and current federal policies.

[3] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[4] Any equivalent procedure which can be shown to the satisfaction of the Air Resources Board to give equivalent results at or near the level of the air quality standard may be used.

[5] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

[6] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[7] Reference method as described by the EPA. An “equivalent method” of measurement may be used but must have a “consistent relationship to the reference method” and must be approved by the EPA.

[8] To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 0.100 ppm (effective January 22, 2010).

[9] On June 2, 2010, the U.S. EPA established a new 1-hour SO_2 standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. EPA also proposed a new automated Federal Reference Method (FRM) using ultraviolet technology, but will remain the older pararosaniline methods until the new FRM have adequately permeated State monitoring networks. The EPA also revoked both the existing 24-hour SO_2 standard of 0.14 ppm and the annual primary SO_2 standard of 0.030 ppm, effective August 23, 2010. The secondary SO_2 standard was not revised at that time; however, the secondary standard is undergoing a separate review by EPA.

[10] The ARB has identified lead and vinyl chloride as “toxic air contaminants” with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[11] National lead standard, rolling 3-month average; final rule signed October 15, 2008.

The SDAB is a non-attainment area for the state ozone standards, the state PM_{10} standard, and the state $PM_{2.5}$ standard.

3.3 Toxic Air Contaminants

The public's exposure to toxic air contaminants (TACs) is a significant public health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health (AB 1807: Health and Safety Code Sections 39650–39674). The Legislature established a two-step process to address the potential health effects from TACs. The first step is the risk assessment (or identification) phase. The second step is the risk management (or control) phase of the process.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly) was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, identify facilities having localized impacts, ascertain health risks, notify nearby residents of significant risks, and reduce those significant risks to acceptable levels. The Children's Environmental Health Protection Act, Senate Bill 25 (Chapter 731, Escutia, Statutes of 1999), focuses on children's exposure to air pollutants. The Act requires CARB to review its air quality standards from a children's health perspective, evaluate the statewide air monitoring network, and develop any additional air toxic control measures needed to protect children's health. Locally, toxic air pollutants are regulated through the SDAPCD's Regulation XII.

Diesel-exhaust particulate matter emissions have been established as TACs. Diesel emissions generated within the county and surrounding areas pose a potential hazard to residents and visitors. Following the identification of diesel particulate matter as an air toxic in 1998, CARB has worked on developing strategies and regulations aimed at reducing the risk from diesel particulate matter. The overall strategy for achieving these reductions is found in the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles* (State of California 2000). A stated goal of the plan is to reduce the cancer risk statewide arising from exposure to diesel particulate matter 75 percent by 2010 and 85 percent by 2020.

A number of programs and strategies to reduce diesel particulate matter that have been implemented or are in the process of being developed include (State of California 2007, 2008):

- **The Carl Moyer Memorial Air Quality Standards Attainment Program:** This program, administered by CARB, was initially approved in February 1999 and provides incentive grants to cover an incremental portion of the cost of upgrading to cleaner-than-required engines, equipment and other sources of pollution providing early or extra emission reductions. Eligible projects include cleaner on-road, off-road, marine, locomotive, and agricultural sources. The program guidelines are revised regularly (most recently in January 2011).

- **On-road Heavy-duty Diesel Engine Reduced Emission Standards**: This rule reduces emission standards for 2007 and subsequent model year heavy-duty diesel engines (66 FR 5002, January 18, 2001).

- **On-Road Heavy-duty Diesel Engine In-Use Compliance Program**: This program requires in-use compliance testing to ensure that existing vehicles/engines meet applicable emission standards throughout their useful life.

Other programs include:

- **Off-road Mobile Sources Emission Reduction Program:** The goal of this program is to develop regulations to control emissions from diesel, gasoline, and alternative-fueled off-road mobile engines. These sources include a range of equipment, from lawn mowers to construction equipment to locomotives.

- **Heavy-duty Vehicle Inspection and Periodic Smoke Inspection Programs:** The Heavy-Duty Vehicle Inspection and Periodic Smoke Inspection Programs were established to control excessive smoke emissions and tampering from heavy-duty diesel trucks and buses.

    - **Heavy-Duty Vehicle Inspection Program:** The Heavy-Duty Vehicle Inspection Program was adopted into law in 1988 (SB 1997), with the regulations (13 CCR 2180-2189) governing this program last amended in 2007. The program requires heavy-duty trucks and buses to be inspected for excessive smoke and tampering, and engine certification label compliance. Any heavy-duty vehicle traveling in California, including vehicles registered in other states and foreign countries, may be tested. Tests are performed by CARB inspection teams at border crossings, California Highway Patrol weigh stations, fleet facilities, and randomly selected roadside locations.

    - **Periodic Smoke Inspection Program:** The Periodic Smoke Inspection Program was adopted into law in 1990 (Senate Bill 2330), with the regulations (13 CCR 2190-2194) governing this program last amended in 2007. The program requires that diesel and bus fleet owners conduct annual smoke opacity inspections of their vehicles and repair those with excessive smoke emissions to ensure compliance.

- **Lower-Emission School Bus Program:** Under this program, and in coordination with the California Energy Commission and local air districts, CARB developed guidelines to provide criteria for the purchase of new school buses and the retrofit of existing school buses to reduce particulate matter emissions. In addition, Proposition 1B, which was approved by the voters on November 7, 2006, enacts the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006. This bond act authorizes $200 million for replacing and retrofitting school buses.

- **School Bus Idling Airborne Toxic Control Measure**: Beginning in July 2003, the CARB approved an airborne toxic control measure (ATCM) that limits school bus idling and idling at or near schools. The ATCM to limit idling is intended to reduce diesel exhaust particulate matter and other TACs and air pollutants from heavy-duty motor vehicle exhaust. The ATCM requires a driver of a school bus or vehicle, transit bus, or other commercial motor vehicle to manually turn off the bus or vehicle engine upon arriving at a school and to restart no more than 30 seconds before departing. A driver of a school bus or vehicle is subject to the same requirement when operating within 100 feet of a school and is prohibited from idling more than five minutes at each stop beyond schools, such as parking or maintenance facilities, school bus stops, or school activity destinations. A driver of a transit bus or other commercial motor vehicle is prohibited from idling more than five minutes at each stop within 100 feet of a school. Idling necessary for health, safety, or operational concerns is exempt from these restrictions.

As an ongoing process, CARB will continue to establish new programs and regulations for the control of diesel particulate emissions as appropriate. The continued development and implementation of these programs and policies will ensure that the public exposure to diesel particulate matter will continue to decline.

The SDAPCD also started sampling for TACs at the Chula Vista and El Cajon monitoring stations in the mid-1980s. Once every 12 days, 24-hour samples are performed. Excluding diesel particulates, Chula Vista has shown a 72 percent reduction in the ambient incremental cancer risk from TACs since 1989, while El Cajon has shown a 73 percent reduction during the same period. In 2008, the estimated ambient incremental cancer risk was 135 in one million for Chula Vista and 150 in one million for El Cajon, down from 481 and 545 in one million, respectively, in 1989 (County of San Diego 2010).

As discussed below, the SDAPCD implements rules and regulations for the control of toxic air contaminants through permitting of stationary and portable sources of air pollutants.

3.4 State Implementation Plan

The SIP is a collection of documents that set forth the state’s strategies for achieving the federal air quality standards. The SDAPCD is responsible for preparing and implementing the portion of the SIP applicable to the SDAB. The SDAPCD adopts rules, regulations, and programs to attain state and federal air quality standards, and appropriates money (including permit fees) to achieve these objectives.

3.5 The California Environmental Quality Act

Section 15125(d) of the California Environmental Quality Act (CEQA) Guidelines requires discussion of any inconsistencies between the project and applicable general plans and regional plans, including the applicable air quality attainment or maintenance plan (or SIP).

3.6 San Diego Air Pollution Control District

The SDAPCD is the agency that regulates air quality in the SDAB. The SDAPCD prepared the 1991/1992 Regional Air Quality Strategy (RAQS) in response to the requirements set forth in AB 2595. The draft was adopted, with amendments, on June 30, 1992 (County of San Diego 1992). Attached, as part of the RAQS, are the Transportation Control Measures (TCMs) for the air quality plan prepared by San Diego Association of Governments (SANDAG) in accordance with AB 2595 and adopted by SANDAG on March 27, 1992, as Resolution Number 92-49 and Addendum. The required triennial updates of the RAQS and corresponding TCM were adopted in 1995, 1998, 2001, 2004, and 2009. The RAQS and TCM set forth the steps needed to accomplish attainment of state ambient air quality standards.

The SDAPCD has also established a set of rules and regulations initially adopted on January 1, 1969, and periodically reviewed and updated. These rules and regulations are available for review on the agency’s Web site.

4.0 Environmental Setting

4.1 Geographic Setting

The project is located in the City of San Diego about six miles east of the Pacific Ocean. The eastern portion of the SDAB is surrounded by mountains to the north, east, and south. These mountains tend to restrict airflow and concentrate pollutants in the valleys and low-lying areas below.

4.2 Climate

The project area, like the rest of San Diego County's coastal areas, has a Mediterranean climate characterized by warm, dry summers and mild, wet winters. The mean annual temperature for the project area is 63 degrees Fahrenheit (°F). The average annual precipitation is 10 inches, falling primarily from November to April. Winter low temperatures in the project area average about 49°F, and summer high temperatures average about 74°F. The average relative humidity is 69 percent and is based on the yearly average humidity at Lindbergh Field (Western Regional Climate Center [WRCC 2011]).

The dominant meteorological feature affecting the region is the Pacific High Pressure Zone, which produces the prevailing westerly to northwesterly winds. These winds tend to blow pollutants away from the coast toward the inland areas. Consequently, air quality near the coast is generally better than that which occurs at the base of the coastal mountain range.

Fluctuations in the strength and pattern of winds from the Pacific High Pressure Zone interacting with the daily local cycle produce periodic temperature inversions that influence the dispersal or containment of air pollutants in the SDAB. Beneath the inversion layer pollutants become "trapped" as their ability to disperse diminishes. The mixing depth is the area under the inversion layer. Generally, the morning inversion layer is lower than the afternoon inversion layer. The greater the change between the morning and afternoon mixing depths, the greater the ability of the atmosphere to disperse pollutants.

Throughout the year, the height of the temperature inversion in the afternoon varies between approximately 1,500 and 2,500 feet above mean sea level (MSL). In winter, the morning inversion layer is about 800 feet above MSL. In summer, the morning inversion layer is about 1,100 feet above MSL. Therefore, air quality generally tends to be better in the winter than in the summer.

The prevailing westerly wind pattern is sometimes interrupted by regional "Santa Ana" conditions. A Santa Ana occurs when a strong high pressure develops over the Nevada–Utah area and overcomes the prevailing westerly coastal winds, sending strong, steady, hot, dry northeasterly winds over the mountains and out to sea.

Strong Santa Anas tend to blow pollutants out over the ocean, producing clear days. However, at the onset or during breakdown of these conditions or if the Santa Ana is weak, local air quality may be adversely affected. In these cases, emissions from the

South Coast Air Basin (SCAB) to the north are blown out over the ocean, and low pressure over Baja California draws this pollutant-laden air mass southward. As the high pressure weakens, prevailing northwesterly winds reassert themselves and send this cloud of contamination ashore in the SDAB. When this event does occur, the combination of transported and locally produced contaminants produce the worst air quality measurements recorded in the basin.

4.3 Existing Air Quality

The project area is within the SDAB. Air quality at a particular location is a function of the kinds, amounts, and dispersal rates of pollutants being emitted into the air locally and throughout the basin. The major factors affecting pollutant dispersion are wind speed and direction, the vertical dispersion of pollutants (which is affected by inversions), and the local topography.

Air quality is commonly expressed as the number of days in which air pollution levels exceed state standards set by the CARB or federal standards set by the U.S. EPA. The SDAPCD maintains 10 air-quality monitoring stations located throughout the greater San Diego metropolitan region. Air pollutant concentrations and meteorological information are continuously recorded at these 10 stations. Measurements are then used by scientists to help forecast daily air pollution levels. Table 2 summarizes the number of days per year during which state and federal standards were exceeded in the SDAB overall during the years 2005 to 2009. The San Diego–Union Street monitoring station, located approximately 1.4 miles southwest of the project site, and the San Diego—Beardsley Street monitoring station, located approximately two miles south of the project site, are the nearest stations to the project area. The San Diego—Union Street monitoring station measures CO. The San Diego–Beardsley Street monitoring station measures ozone, CO, NO_2, SO_2, PM_{10}, and $PM_{2.5.}$ Table 3 provides a summary of measurements of ozone, CO, NO_2, SO_2, PM_{10}, and $PM_{2.5}$ collected at the San Diego–Union Street and San Diego—Beardsley Street monitoring stations for the years 2005 through 2009.

As detailed below, the SDAB is classified as a federal nonattainment area for ozone and a state nonattainment area for ozone, PM_{10}, and $PM_{2.5}$.

4.3.1 Ozone

Nitrogen oxides and hydrocarbons (reactive organic gases) are known as the chief “precursors” of ozone. These compounds react in the presence of sunlight to produce ozone, which is the primary air pollution problem in the SDAB. Because sunlight plays such an important role in its formation, ozone pollution, or smog, is mainly a concern during the daytime in summer months. The SDAB is currently designated a federal and

TABLE 2
AMBIENT AIR QUALITY SUMMARY – SAN DIEGO AIR BASIN

Pollutant	Average Time	California Ambient Air Quality Standards[a]	Attainment Status	National Ambient Air Quality Standards[b]	Attainment Status[c]	Maximum Concentration					Number of Days Exceeding State Standard					Number of Days Exceeding National Standard				
						2005	2006	2007	2008	2009	2005	2006	2007	2008	2009	2005	2006	2007	2008	2009
O_3	1 hour	0.09 ppm	N	N/A	N/A	0.113	0.121	0.134	0.139	0.119	16	23	21	18	8	--	--	--	--	--
O_3	8 hours	0.07ppm	N	0.075 ppm	N	0.090	0.100	0.092	0.110	0.098	51	68	50	69	47	24	38	27	35	24
CO	1 hour	20 ppm	A	35 ppm	A	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
CO	8 hours	9 ppm	A	9 ppm	A	4.71	3.61	5.18	3.51	3.24	0	0	0	0	0	0	0	0	0	0
NO_2	1 hour	0.18 ppm	A	0.100 ppm[d]	A	0.109	0.097	0.101	0.123	0.091	0	0	0	0	0	--	--	--	--	--
NO_2	Annual	0.030 ppm	A	0.053 ppm	A	0.015	0.017	0.015	0.015	0.016	NX	NX	NX	NX	NX	NX	NX	NX	NX	NX
SO_2	1 hour	0.25 ppm	A	0.075 ppm	A	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
SO_2	3 hours	N/A	N/A	N/A	N/A	Na	Na	Na	Na	Na	--	--	--	--	--	--	--	--	--	--
SO_2	24 hours	0.04 ppm	A	N/A	N/A	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	--	--	--	--	--
PM_{10}	24 hours	50 mg/m^3	N	150 mg/m^3	U	154.0	134.0	392.0	158.0	123.0	29/52.7*	27/159.4*	27/158.6*	30/163.4*	25/146.4*	1*	0*	1*	1*	0*
PM_{10}	Annual	20 mg/m^3	N	N/A	N/A	32.1	54.0	58.4	56.1	53.9	EX	EX	EX	EX	EX	--	--	--	--	--
$PM_{2.5}$	24 hours	N/A	N/A	35 mg/m^3	A	44.1	63.3	151.0	44.0	78.4	--	--	--	--	--	1.2	2.1	11.4	3.5	3.4
$PM_{2.5}$	Annual	12 mg/m^3	N	15 mg/m^3	A	Na	13.1	13.3	14.9	12.1	Na	EX	EX	EX	EX		NX	NX	NX	NX

SOURCE: State of California 2011. California Air Quality Data Statistics. California Air Resources Board Internet Site. URL http://www.arb.ca.gov/adam/welcome.html.

*Measured Days/Calculated Days - Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. The number of days above the standard is not necessarily the number of violations of the standard for the year. Data to determine federal calculated days were not available.

[a] California standards for ozone, carbon monoxide (except at Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, and PM_{10} are values that are not to be exceeded. Some measurements gathered for pollutants with air quality standards that are based upon 1-hour, 8-hour, or 24-hour averages, may be excluded if the CARB determines they would occur less than once per year on average.

[b] National standards other than for ozone and particulates, and those based on annual averages or annual arithmetic means are not to be exceeded more than once a year. The 1-hour ozone standard is attained if, during the most recent 3-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one.

[c] A = attainment; N = non-attainment; U = Unclassifiable; N/A = not applicable; Na = data not available; NX = annual average not exceeded; EX = annual average exceeded.

[d] Effective January 22, 2010. Not applicable to monitoring from 2005 through 2009.

ppm = parts per million, mg/m^3 = micrograms per cubic meter.

TABLE 3
SUMMARY OF AIR QUALITY MEASUREMENTS RECORDED AT THE SAN DIEGO – BEARDSLEY STREET AND UNION STREET MONITORING STATION

Pollutant/Standard	2005	2006	2007	2008	2009
SAN DIEGO—BEARDSLEY STREET					
Ozone					
Days State 1-hour Standard Exceeded (0.09 ppm)	0	0	0	0	0
Days State 8-hour Standard Exceeded (0.07 ppm)	0	1	1	1	0
Days Federal 1-hour Standard Exceeded (0.12 ppm)	0	0	0	0	0
Days ’97 Federal 8-hour Standard Exceeded (0.08 ppm)	0	0	0	0	0
Days ’08 Federal 8-hour Standard Exceeded (0.075 ppm)	0	0	0	0	0
Max. 1-hr (ppm)	0.074	0.082	0.087	0.087	0.085
Max 8-hr (ppm)	0.063	0.071	0.073	0.073	0.063
Carbon Monoxide					
Days State 1-hour Standard Exceeded (20 ppm)	0	0	0	0	0
Days State 8-hour Standard Exceeded (9 ppm)	0	0	0	0	0
Days Federal 1-hour Standard Exceeded (35 ppm)	0	0	0	0	0
Days Federal 8-hour Standard Exceeded (9 ppm)	0	0	0	0	0
Max. 1-hr (ppm)	4.50	5.30	4.40	3.50	4.00
Max. 8-hr (ppm)	3.10	3.27	3.01	2.60	2.77
Nitrogen Dioxide					
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0	0	0
Max 1-hr (ppm)	0.100	0.094	0.098	0.091	0.078
Annual Average (ppm)	Na	0.021	0.018	0.019	0.017
Sulfur Dioxide					
Days State 24-hour Standard Exceeded (0.04 ppm)	0	0	0	0	0
Max. Daily (ppm)	0.005	0.009	0.006	0.007	0.006
Annual Average (ppm)	Na	0.004	0.002	0.003	0.001
PM$_{10}$*					
Measured Days State 24-hour Standard Exceeded (50 μg/m^3)	5	11	4	4	3
Calculated Days State 24-hour Standard Exceeded (50 μg/m^3)	Na	64.5	24.4	23.6	18.2
Measured Days Federal 24-hour Standard Exceeded (150 μg/m^3)	0	0	0	0	0
Calculated Days Federal 24-hour Standard Exceeded (150 μg/m^3)	0	0	0	0	0
Max. Daily (μg/m^3)	78.0	74.0	111.0	59.0	60.0
State Annual Average (μg/m^3)	Na	34.3	31.2	29.3	29.4
Federal Annual Average (μg/m^3)	37.0	33.6	30.5	28.6	Na
PM$_{2.5}$*					
Measured Days ’97 Federal 24-hour Standard Exceeded (65 μg/m^3)	0	0	1	0	0
Calculated Days ’97 Federal 24-hour Standard Exceeded (65 μg/m^3)	0	0	Na	0	0
Measured Days ’06 Federal 24-hour Standard Exceeded (35 μg/m^3)	2	2	8	3	3
Calculated Days ’06 Federal 24-hour Standard Exceeded (35 μg/m^3)	Na	2.1	8.9	3.5	3.4
Max. Daily (μg/m^3)	44.1	63.3	71.4	42.0	52.1
State Annual Average (μg/m^3)	Na	13.1	11.7	10.7	11.8
Federal Annual Average (μg/m^3)	Na	13.1	12.7	13.7	11.7
SAN DIEGO—UNION STREET					
Carbon Monoxide					
Days State 1-hour Standard Exceeded (20 ppm)	0	0	0	0	Na
Days State 8-hour Standard Exceeded (9 ppm)	0	0	0	0	Na
Days Federal 1-hour Standard Exceeded (35 ppm)	0	0	0	0	Na
Days Federal 8-hour Standard Exceeded (9 ppm)	0	0	0	0	Na
Max. 1-hr (ppm)	5.30	10.80	8.7	7.7	Na
Max. 8-hr (ppm)	3.89	3.50	5.18	2.24	Na

SOURCE: State of California 2011.

Na = Not available.

*Calculated days value. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day. The number of days above the standard is not necessarily the number of violations of the standard for the year.

state non-attainment area for ozone. During the past 20 years, San Diego had experienced a decline in the number of days with unhealthy levels of ozone despite the region's growth in population and vehicle miles traveled (County of San Diego 2009).

About half of smog-forming emissions come from automobiles. Population growth in San Diego has resulted in a large increase in the number of automobiles expelling ozone - forming pollutants while operating on area roadways. In addition, the occasional transport of smog-filled air from the SCAB only adds to the SDAB's ozone problem. Stricter automobile emission controls, including more efficient automobile engines, have played a large role in why ozone levels have steadily decreased.

In the SDAB overall, during the five-year period of 2005 to 2009 the state 1-hour ozone standard of 0.09 ppm was exceeded 16 days in 2005, 23 days in 2006, 21 days in 2007, 18 days in 2008, and 8 days in 2009.

The 1-hour state standard for ozone of 0.09 ppm was not exceeded at the San Diego–Beardsley Street monitoring station during the five-year period of 2005 to 2009.

In order to address adverse health effects due to prolonged exposure, the U.S. EPA phased out the national 1-hour ozone standard and replaced it with the more protective 8-hour ozone standard. The SDAB is currently a nonattainment area for the previous (1997) national 8-hour standard and is recommended as a nonattainment area for the revised (2008) national 8-hour standard of 0.075 ppm.

In the SDAB overall, during the five-year period of 2005 to 2009 the former national 8-hour ozone standard of 0.08 ppm was exceeded by 5 days in 2005, 14 days in 2006, 7 days in 2007, 11 days in 2008, and 4 days in 2009. The revised national 8-hour standard of 0.075 was exceeded by 24 days in 2005, 38 days in 2006, 27 days in 2007, 35 days in 2008, and 24 days in 2009. The stricter state 8-hour ozone standard of 0.07 ppm was exceeded by 51 days in 2005, 68 days in 2006, 50 days in 2007, 69 days in 2008, and 47 days in 2009.

Neither the previous national 8-hour standard of 0.08 ppm nor the revised national 8-hour standard of 0.075 ppm were exceeded at the San Diego–Beardsley Street monitoring station during the 5-year period from 2005 to 2009. The stricter state 8-hour ozone standard of 0.07 ppm was exceeded on one day in 2006, one day in 2007, and one day in 2008.

Not all of the ozone within the SDAB is derived from local sources. Under certain meteorological conditions, such as during Santa Ana wind events, ozone and other pollutants are transported from the Los Angeles Basin and combine with ozone formed from local emission sources to produce elevated ozone levels in the SDAB.

Local agencies can control neither the source nor the transportation of pollutants from outside the air basin. The SDAPCD's policy, therefore, has been to control local sources effectively enough to reduce locally produced contamination to clean air standards. Through the use of air pollution control measures outlined in the RAQS, the SDAPCD has effectively reduced ozone levels in the SDAB.

Actions that have been taken in the SDAB to reduce ozone concentrations include:

- **TCMs, if vehicle travel and emissions exceed attainment demonstration levels.** TCMs are strategies that will reduce transportation-related emissions by reducing vehicle use or improving traffic flow.

- **Enhanced motor vehicle inspection and maintenance program.** The smog-check program is overseen by the Bureau of Automotive Repair. The program requires most vehicles to pass a smog test once every two years before registering in the state of California. The smog-check program monitors the amount of pollutants automobiles produce. One focus of the program is identifying "gross polluters," or vehicles that exceed two times the allowable emissions for a particular model. Regular maintenance and tune-ups, changing oil, and checking tire inflation can improve gas mileage and lower air pollutant emissions. It can also reduce traffic congestion due to preventable breakdowns, further lowering emissions.

- **Air Quality Improvement Program (AQIP).** The AQIP, established by Assembly Bill 118, is a voluntary incentive program administered by the CARB to fund clean vehicle and equipment projects, research on biofuels production, and the air quality impacts of alternative fuels, and workforce training.

4.3.2 Carbon Monoxide

The SDAB is classified as a state attainment area and as a federal maintenance area for carbon monoxide (County of San Diego 1998). Until 2003, no violations of the state standard for CO had been recorded in the SDAB since 1991, and no violations of the national standard had been recorded in the SDAB since 1989. The violations that took place in 2003 were likely the result of massive wildfires that occurred throughout the county. No violations of the state or federal CO standards have occurred since 2003. As shown in Tables 2 and 3, the state and national standards have not been exceeded at the San Diego—Beardsley Street monitoring station, the San Diego—Union Street monitoring station, or the SDAB during the five-year period from 2005 to 2009.

Small-scale, localized concentrations of CO above the state and national standards have the potential to occur at intersections with stagnation points such as those that occur on major highways and heavily traveled and congested roadways. Localized high concentrations of CO are referred to as "CO hot spots" and are a concern at congested intersections, where automobile engines burn fuel less efficiently and their exhaust contains more CO.

4.3.3 PM_{10}

PM_{10} is particulate matter with an aerodynamic diameter of 10 microns or less. Ten microns is about one-seventh of the diameter of a human hair. Particulate matter is a complex mixture of very tiny solid or liquid particles composed of chemicals, soot, and dust. Sources of PM_{10} emissions in the SDAB consist mainly of urban activities, dust suspended by vehicle traffic, and secondary aerosols formed by reactions in the atmosphere.

Under typical conditions (i.e., no wildfires) particles classified under the PM_{10} category are mainly emitted directly from activities that disturb the soil including travel on roads and construction, mining, or agricultural operations. Other sources include windblown dust, salts, brake dust, and tire wear (County of San Diego 1998). For several reasons hinging on the area's dry climate and coastal location, the SDAB has special difficulty in developing adequate tactics to meet present state particulate standards.

The SDAB is designated as federal unclassified and state nonattainment for PM_{10}. The measured federal PM_{10} standard was exceeded once in 2005, once in 2007, and once in 2008 in the SDAB. The 2007 exceedance occurred on October 21, 2007, at a time when major wildfires were raging throughout the county. Consequently, this exceedance was likely caused by the wildfires and would be beyond the control of the SDAPCD. As such, this event is covered under the U.S. EPA's Natural Events Policy that permits, under certain circumstances, the exclusion of air quality data attributable to uncontrollable natural events (e.g., volcanic activity, wild land fires, and high wind events). The 2005 and 2008 exceedances did not occur during wildfires and are not covered under this policy. The stricter state standard was exceeded a calculated number of days of 52.7 days in 2005, 159.4 days in 2006, 158.6 days in 2007, 163.4 days in 2008, and 146.4 days in 2009. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard, had measurements been collected every day. Particulate measurements are collected every six days.

At the San Diego—Beardsley Street monitoring station, the national 24-hour PM_{10} standard was not exceeded during the years 2005 through 2009. The stricter state 24-hour PM_{10} standard was exceeded five days in 2005, eleven days in 2006, four days in 2007, four days in 2008, and three days in 2009.

4.3.4 $PM_{2.5}$

Airborne, inhalable particles with aerodynamic diameters of 2.5 microns or less have been recognized as an air quality concern requiring regular monitoring. Federal regulations required that $PM_{2.5}$ monitoring begin January 1, 1999 (County of San Diego 1999). The San Diego–Beardsley Street monitoring station is one of five stations in the SDAB that monitors $PM_{2.5}$. Federal $PM_{2.5}$ standards established in 1997 include an annual arithmetic mean of 15 mg/m^3 and a 24-hour concentration of 65 mg/m^3. As discussed above, the 24-hour $PM_{2.5}$ standard has been changed to 35 mg/m^3. However, this does not apply to the monitoring from 2004 to 2006. State $PM_{2.5}$ standards established in 2002 are an annual arithmetic mean of 12 mg/m^3. Table 3 shows that the prior 24-hour $PM_{2.5}$ standard of 65 mg/m^3 was exceeded once in 2007. The new standard of 35 mg/m^3 was exceeded two days in 2005, two days in 2006, eight days in 2007, three days in 2008, and three days in 2009.

The SDAB was classified as an attainment area for the previous federal 24-hour $PM_{2.5}$ standard of 65 mg/m^3 and has also been classified as an attainment area for the revised federal 24-hour $PM_{2.5}$ standard of 35 mg/m^3 (U.S. EPA 2004, 2009b). The SDAB is a non-attainment area for the state $PM_{2.5}$ standard (State of California 2005).

4.3.5 Other Criteria Pollutants

The national and state standards for NO_2, SO_x, and previous standard for lead are being met in the SDAB, and the latest pollutant trends suggest that these standards will not be exceeded in the foreseeable future. As discussed above, new standards for these pollutants have been adopted, and new designations for the SDAB will be determined in the future. The SDAB is also in attainment of the state standards for hydrogen sulfides, sulfates, and visibility reducing particles.

5.0 Thresholds of Significance

5.1 California Air Resources Board

For purposes of assessing the significance of air quality impacts, the CARB has established guidelines, as described below.

For long-term emissions, the direct impacts of a project can be measured by the degree to which the project is consistent with regional plans to improve and maintain air quality. The regional plan for San Diego is the 1991/1992 RAQS and attached TCM, as revised by the triennial updates adopted in 1995, 1998, 2001, 2004, and 2009. The CARB provides criteria for determining whether a project conforms to the RAQS (State of California 1989a), which include the following:

1. Is a regional air quality plan being implemented in the project area?
2. Is the project consistent with the growth assumptions in the regional air quality plan?
3. Does the project incorporate all feasible and available air quality control measures?

5.2 City of San Diego

The City of San Diego has adopted Significance Determination Thresholds for assessing potential air quality impacts under CEQA. The project would have a significant air quality impact if it would (City of San Diego 2011):

1. Obstruct or conflict with the implementation of the San Diego RAQS or applicable portions of the SIP.
2. Result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation.
3. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including the release of emissions which exceed quantitative thresholds for ozone precursors).
4. Expose sensitive receptors to substantial pollutant concentration including air toxics such as diesel particulates.
5. Create objectionable odors affecting a substantial number of people.

Emissions resulting from implementation of the project would be due primarily to construction and the daily operations of the project. The SDAPCD does not provide specific numerics for determining the significance of construction and operational source-related impacts. However, the SDAPCD does specify Air Quality Impact Analysis (AQIA) trigger levels for new or modified stationary sources (SDAPCD Rules 20.2 and 20.3). Although these trigger levels do not generally apply to construction or mobile sources, for comparative purposes these levels are used to evaluate the increased emissions that would be discharged to the SDAB if the project were approved. The AQIA screening levels are shown in Table 4.

TABLE 4
AIR QUALITY IMPACT ANALYSIS TRIGGER LEVELS

Pollutant	Emission Rate (lb/day)	Emission Rate (tons/yr)
NOx	250	40
SOx	250	40
CO	550	100
PM_{10}	100	15
Lead	3.2	0.6
VOC, ROG[1]	137	15
$PM_{2.5}$[2]	55	10

SOURCE: SDAPCD, Rule 20.2 (12/17/1998).

[1] VOC (volatile organic compound) threshold based on levels per SCAQMD and Monterey Bay APCD which have similar federal and state attainment status as San Diego.

[2] $PM_{2.5}$ threshold obtained from the SCAQMD *Final Methodology to Calculate $PM_{2.5}$ and $PM_{2.5}$ Significance Thresholds* (SCAQMD 2006)

In addition to a comparison with the thresholds, the project will be evaluated to determine whether it has the potential to produce carbon monoxide hot spots at intersections near the project site. A hot spot is a localized area, most often near a congested intersection, where the 1-hour or 8-hour carbon monoxide standards are exceeded. Localized carbon monoxide impacts can occur where projects contribute traffic to intersections in areas where the ambient carbon monoxide concentrations are projected to be near or above state or federal standards. However, hot spots almost exclusively occur near intersections with level of service (LOS) E or worse.

5.3 Public Nuisance Law (Odors)

The State of California Health and Safety Code Sections 41700 and 41705, and SDAPCD Rule 51, commonly referred to as public nuisance law, prohibits emissions from any source whatsoever in such quantities of air contaminants or other material, which cause injury, detriment, nuisance, or annoyance to the public health or damage to property. The provisions of these regulations do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals. It is generally accepted that the considerable number of persons requirement in Rule 51 is normally satisfied when 10 different individuals/households have made separate complaints within 90 days. Odor complaints from a “considerable” number of persons or businesses in the area will be considered to be a significant, adverse odor impact.

Every use and operation shall be conducted so that no unreasonable heat, odor, vapor, glare, vibration (displacement), dust, smoke, or other forms of air pollution subject to SDAPCD standards shall be discernible at the property line of the parcel upon which the use or operation is located.

Therefore, any unreasonable odor discernible at the property line of the project site will be considered a significant odor impact.

The City's CEQA guidelines also address offensive odors (City of San Diego 2011). If sensitive receptors are proposed near an existing odor source, impacts are significant if the proposed sensitive use is located closer to the source than an existing sensitive receptor at which there has been more than one confirmed complaint about the odor. If there are no existing sensitive receptors, impacts should be based on the distance and frequency of complaints of sensitive receptors located near similar odor sources.

6.0 Air Quality Assessment

Air quality impacts can result from the construction and operation of a project. Construction impacts are short term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from growth-inducing development or local hot-spot effects stemming from sensitive receivers being placed close to highly congested roadways. In the case of this project, the primary source of emissions would be construction activities. As discussed below, because the project would not result in an increase in vehicle trips, operational emissions would be similar to the existing condition.

Air emissions were calculated using the CalEEMod computer program (SCAQMD 2011). The CalEEMod program is a tool used to estimate air emissions resulting from land development projects in the state of California. The model generates emissions from three basics sources: construction sources, area sources (e.g., fireplaces and natural gas heating), and operational sources (e.g., traffic).

Inputs to CalEEMod include such items as the air basin containing the project, land uses, trip generation rates, trip lengths, vehicle fleet mix (percentage autos, medium truck, etc.), trip distribution (i.e., percent home to work, etc.), duration of construction phases, construction equipment usage, grading areas, season, and ambient temperature, as well as other parameters. The CalEEMod output files contained in Attachment 1 indicate the specific inputs for each model run. Emissions of NO_x, CO, SO_x, PM_{10}, $PM_{2.5}$, and ROGs, an ozone precursor, are calculated. Emission factors are not available for lead, and consequently, lead emissions are not calculated. The SDAB is currently in attainment of the state and federal lead standards. Furthermore, fuel used in construction equipment and most other vehicles is not leaded.

6.1 Construction-related Air Quality Effects

Construction-related activities are temporary, short-term sources of air emissions. Sources of construction-related air emissions include:

- Fugitive dust from grading activities;
- Construction equipment exhaust;
- Construction-related trips by workers, delivery trucks, and material-hauling trucks; and
- Construction-related power consumption.

6.1.1 Construction

Construction-related pollutants result from dust raised during demolition and grading, emissions from construction vehicles, and chemicals used during construction. Fugitive dust emissions vary greatly during construction and are dependent on the amount and type of activity, silt content of the soil, and the weather. Vehicles moving over paved and unpaved surfaces, demolition, excavation, earth movement, grading, and wind erosion from exposed surfaces are all sources of fugitive dust. Construction operations are subject to the requirements established in Regulation 4, Rules 52, 54, and 55, of the SDAPCD’s rules and regulations.

Heavy-duty construction equipment is usually diesel powered. In general, emissions from diesel-powered equipment contain more nitrogen oxides, sulfur oxides, and particulate matter than gasoline-powered engines. However, diesel-powered engines generally produce less carbon monoxide and less reactive organic gases than do gasoline-powered engines. Standard construction equipment includes dozers, rollers, scrapers, dewatering pumps, backhoes, loaders, paving equipment, delivery/haul trucks, jacking equipment, welding machines, pile drivers, and so on.

The project is scheduled for a 24-month overall construction duration. This schedule is based on “typical working hours” with hours of operation between 7:00 a.m. and 7:00 p.m., Monday through Friday. Specific activities, such as extensive on-road equipment operations, underground utility tie-ins, utility shutdowns, and roadway disruptions, would occur outside “typical working hours” in order to minimize impacts to park visitors, park operations, and surrounding operations. Activities scheduled outside the “typical working hours” would occur in coordination and with the authorization of City Development Services Department/Park and Recreation staff approval. The actual after hours work would be flexible to remain responsive to the schedule of a particular evening’s event. The project’s construction includes a total of four phases, described as follows:

Phase I – Utility Relocation and ~~Restroom Demolition~~Road Construction: Phase I would entail underground wet and dry utility relocation east of the proposed parking structure and along Presidents Way with emphasis on maintaining required services and access. Also, the north access point to Pan American Road West would be widened for temporary (Phase II) traffic circulation. ~~consist of demolishing the existing restroom facility in the Alcazar parking lot and relocating the existing utilities throughout project footprint.~~ This stage of the project is expected to begin October 2012, take approximately two months for completion, and require between 25 to 30 workers on-site per day. On-site construction equipment would include 1 bobcat, 5 backhoes, 1 loader, 5 forklifts, and 1 mobile crane. Temporary construction equipment used for material deliveries would include flatbed trucks (23 total trips), concrete trucks (29 total trips), dump trucks (21 total trips), and pickup trucks (44 total trips). There is estimated to be approximately 117 total truck trips for purposes of material delivery and pickup. On average, construction would occur during “typical working hours.”

Phase II – Centennial Bridge and Parking Structure Construction: Phase II would consist of constructing the Centennial Bridge and the Organ Pavilion parking structure. ~~off of the existing Cabrillo Bridge, a new three-level 798-stall parking structure at the location of the current Organ Pavilion parking lot, and a rooftop park above the parking structure.~~ Phase II would occur in two stages: Phases IIa and IIb. Phase IIa (approximately six months) would involve the construction of the west portion of the pedestrian promenade that passes over the Centennial Road tunnel, to allow temporary traffic circulation during Phase IIb (approximately eight months), while also starting the site preparation for the parking structure. This stage of the project is expected to take approximately 14 months for completion and require between 120 to 135 workers on-site per day at the peak of activity. On-site construction equipment would include 8 bobcats, 3 backhoes, 8 loaders, 9 forklifts, 1 skytrack forklift, 2 excavators, 1 drill rig, 8 compressors, 3 concrete pumps, 1 paving machine, 18 generators, 31 trucks, 12 scissor lifts, 2 boom lifts, 4 mobile cranes, 1 tower crane, and 1 man lift. Temporary construction equipment used for material delivery/pickup would include flatbed trucks (1,077 total trips), concrete trucks (1,745 total trips), dump trucks (total trips discussed below), and pickup trucks (1,830 total trips). On average, construction would occur during “typical working hours.”

The schedule duration for the parking structure excavation and export activity would be approximately 40 consecutive working days using dual shifts. Soil export hauling would be coordinated to occur outside the peak traffic hours. On average, the operation would require a fleet of 20 to 25 double bottom dump trucks cycling every 45 to 60 minutes between the project site and the Arizona Street Landfill. This would equate to 13,600 to 17,000 round trips over a distance of approximately 2.8 miles, or 76,160 to 95,200 total hauling miles traveled.

In an effort to minimize impacts to park visitors, parking, and general park operations work on portions of the parking structure may be accelerated by a two shift operation, with the first shift working from 1:00 a.m. to 9:30 a.m. and the second shift working from 9:30 a.m. to 6:00 p.m. Activities intended for dual-shift may include excavation and export, concrete formwork, reinforcing steel placement, and concrete placement and finishing. Activities scheduled outside the "typical working hours" would occur only as coordinated with and granted by the City Park and Recreation staff.

Phase III – Alcazar Parking Lot and Pan American Promenade Construction: Phase III would begin once the new parking structure is operational. Phase III would involve demolition of the existing restroom structure (with the permanent facilities operational on top of the parking structure), utility realignments at the intersection of Pan American Road and Pan American Road West, demolition, regrading for ADA requirements, and replacement of the existing Alcazar parking lot, including tie-in to the new Centennial Bridge roadway; realignment of the connector road from the Alcazar parking lot to Pan American Road; associated retaining walls to allow grade separation between the vehicular roadway and pedestrian/tram promenade; and improvements to Pan American Road East fronting the new parking structure. This stage of the project is expected to take approximately four months for completion and require between 30 to 40 workers on-site per day. On-site construction equipment would include 5 bobcats, 1 loader, 1 concrete pump, 1 paving machine, and 6 trucks. Temporary construction equipment used for material delivery/pickup would include flatbed trucks (25 total trips), concrete trucks (15 total trips), dump trucks (18 total trips), and pickup trucks (53 total trips). There is estimated to be approximately 111 total truck trips for purposes of material delivery/pickup. On average, construction would occur during "typical working hours."

Phase IV – The Pedestrian/Tram Promenade, Mall, and Plaza Improvements: Phase IV would consist of staged demolition of existing pavement, hardscape, landscape, and fixtures; finish grading; site utilities; and site improvements, including hardscape and landscape to complete finishes along the pedestrian/tram promenade and~~to~~ rehabilitate the Plaza de California, El Prado, Plaza de Panama, and the Mall. This stage of the project is expected to take approximately four months for completion and require between 40 to 50 workers on-site per day. On-site construction equipment would include 8 bobcats, 3 backhoes, 5 loaders, 2 forklifts, 2 concrete pumps, 8 trucks, and 1 mobile crane. Temporary construction equipment used for material delivery/pickup would include flatbed trucks (301 total trips), concrete trucks (224 total trips), dump trucks (247 total trips), and pickup trucks (279 total trips). There is estimated to be approximately 1,051 total truck trips for purposes of material delivery/pickup. On average, construction would occur during "typical working hours."

Table 5 summarizes the CalEEMod construction equipment parameters for each phase. Only the equipment anticipated to operate simultaneously was entered in to CalEEMod.

For example, as discussed under Phase II above, there would be 18 generators on-site. However, not all 18 generators would operate at one time.

TABLE 5
CONSTRUCTION EQUIPMENT PARAMETERS

Phase	Length (Days)	Equipment Type	Amount	Horsepower	Load Factor
Phase I	45	Cranes	1	208	0.43
		Forklifts	5	149	0.30
		Skid Steer Loaders	1	37	0.55
		Tractors/Loaders/Backhoes	6	75	0.55
Phase II	305	Aerial Lifts	2	34	0.46
		Air Compressors	4	78	0.48
		Bore/Drill Rigs	1	82	0.75
		Cranes	5	208	0.43
		Excavators	2	157	0.57
		Forklifts	5	149	0.30
		Generator Sets	4	84	0.74
		Grader	1	162	0.61
		Pavers	1	89	0.62
		Pumps	3	84	0.74
		Skid Steer Loaders	8	37	0.55
		Tractors/Loaders/Backhoes	11	75	0.55
Phase III	85	Pavers	1	89	0.62
		Pumps	1	84	0.74
		Skid Steer Loaders	5	37	0.55
		Tractors/Loaders/Backhoes	1	75	0.55
Phase IV	85	Cranes	1	208	0.43
		Forklifts	2	149	0.30
		Pumps	2	84	0.74
		Skid Steer Loaders	8	37	0.55
		Tractors/Loaders/Backhoes	8	75	0.55

Since a subcontractor has not yet been selected for the project, the exact make, model, and age of the equipment cannot be known at this time. Equipment with model year 2008 or later would have Tier 3 or Tier 4 engines. For the purposes of this analysis, it was assumed that equipment would be older and have Tier 2 engines.

Standard dust and emission control during grading operations would be implemented to reduce potential nuisance impacts and to ensure compliance with SDAPCD rules and regulations.

The following standard fugitive dust control measures are required as part of the grading permit and are considered part of the project design and were taken into account for calculating construction emissions:

1. All unpaved construction areas shall be sprinkled with water or other acceptable SDAPCD dust control agents at least three times daily and during dust-generating

activities to reduce dust emissions. Additional watering or acceptable SDAPCD dust control agents shall be applied during dry weather or windy days until dust emissions are not visible.

2. Apply soil stabilizers to inactive areas.

3. A 15-mile-per-hour speed limit on unpaved surfaces shall be enforced.

4. On dry days, dirt and debris spilled onto paved surfaces shall be swept up immediately to reduce resuspension of particulate matter caused by vehicle movement. Approach routes to construction sites shall be cleaned daily of construction-related dirt in dry weather.

5. Disturbed areas shall be hydroseeded, landscaped, or developed as quickly as possible and as directed by the City of San Diego and/or SDAPCD to reduce dust generation.

Additionally, emissions due to export hauling activities discussed above were modeled. The number of trips would be distributed evenly over the 40-day hauling period. This would result in a total of 340 to 425 trips per day so 425 trips per day was used as a worst-case analysis.

Table 6 shows the total projected construction maximum daily emission levels for each criteria pollutant. The CalEEMod output files for construction emissions are contained in Attachment 1.

TABLE 6
SUMMARY OF WORST-CASE CONSTRUCTION EMISSIONS
(pounds per day)

Pollutant	2012	2013	2014	SDAPCD Significance Thresholds[2]
ROG	34	31	28	137
NO_x	225	210	195	250
CO	148	145	143	550
SO_x[1]	0	0	0	250
PM_{10} Dust	3	3	3	–
PM_{10} Exhaust	15	14	12	–
PM_{10}	19	17	16	100
$PM_{2.5}$ Dust	0	0	0	–
$PM_{2.5}$ Exhaust	15	14	12	–
$PM_{2.5}$	16	14	13	55

[1] Emissions calculated by CalEEMod are for SO_2.
[2] Threshold for $PM_{2.5}$ was obtained from the SCAQMD

Note that the emissions summarized in Table 6 are the maximum emissions for each pollutant and that they may occur during different phases of construction. They would not necessarily occur simultaneously. These are, therefore, the worst-case emissions.

For assessing the significance of the air quality emissions resulting during construction of the project, the construction emissions were compared to the SDAPCD AQIA thresholds used for evaluating this project as discussed previously. The SDAPCD does not have thresholds for $PM_{2.5}$. The threshold for $PM_{2.5}$ was obtained from the SCAQMD Final Methodology to Calculate $PM_{2.5}$ and $PM_{2.5}$ Significance Thresholds (SCAQMD 2006). Note that the terms ROG and VOC are essentially synonymous and are used interchangeably in this analysis. As seen in Table 6, the level of maximum daily construction emissions is projected to be less than the applicable thresholds for all criteria pollutants. It should also be noted construction impacts would be short-term. While construction activities would generate diesel particulate emissions known to be carcinogenic, diesel particulate emissions impacts to human health during construction would be less than significant due to the relatively short-term nature of project construction and the fact that heavy equipment exhaust emissions are not significant.

6.1.2 Fugitive Dust Nuisance Impacts

Fugitive dust is any solid particulate matter that becomes airborne directly or indirectly as a result of the activities of man or natural events (such as windborne dust), other than that emitted from an exhaust stack. Construction dust is comprised primarily of chemically inert particles that are too large to enter the human respiratory tract when inhaled. Approximately 35 percent of the total fugitive dust emissions is 10 microns or smaller.

Fugitive dust emissions vary greatly during construction and are dependent on the amount and type of activity, silt content of the soil, and the weather. Vehicles moving over paved and unpaved surfaces, demolition, excavation, earth movement, grading, and wind erosion from exposed surfaces are all sources of fugitive dust.

Fugitive dust emissions could be perceived as a nuisance to the immediate area. As required by Regulation 4, Rules 52, 54, and 55, of the SDAPCD's rules and regulations, dust control during demolition and grading operations would be implemented to reduce potential nuisance impacts.

6.2 Operation-related Emissions

6.2.1 Mobile and Area Source Emissions

Mobile source emissions originate from traffic generated by a project. Implementation of this project, however, would not result in an increase in traffic. Area source emissions result from activities such as use of natural gas or consumer products. Implementation of this project would not result in any increase in area source emissions. There would be no impact related to mobile or area source emissions.

6.2.2 Localized Carbon Monoxide Impacts

Sensitive receptors within the project area include park visitors and plants. Since the Alcazar parking lot is proposed to be redesigned, a CO assessment was performed to consider the potential effects of vehicle traffic, loading, and drop-off activities. The generation of CO emission factors was based on the vehicle fleet using the EMFAC2007 program (State of California 2006). Emission factors were calculated for summer and winter average high and low temperatures of 75 and 50°F, respectively, and an average relative humidity of 70 percent. Other default parameters provided by the model for the SDAB were used in the calculation of individual emission factors for each type of vehicle in the fleet.

The worst-case CO emission factor used for the analysis was 1.96 grams per mile. This corresponds to the running exhaust emission factor for a vehicle traveling at a speed of 3 mph. Vehicle activities in the Alcazar parking lot would include both through traffic and idling in pick-up and drop-off zones. EMFAC2007 only calculates idle exhaust (tailpipe emissions that occur when a vehicle is idling) for heavy-duty trucks that idle for extended periods of time during loading operations. Because vehicle activities would include both through traffic and idling, the worst-case emission factor of 1.96 grams per mile at a slow speed of 3 mph was considered to be appropriate for representing all emissions.

These emission factors were then applied to the vehicles, and the resulting emissions were dispersed using the CALINE4 dispersion model (State of California 1989b). Predicted concentrations of carbon monoxide were modeled at a grid of receivers spaced 10 meters apart in the Alcazar Garden. These modeled receivers are shown in Figure 5. CALINE4 is a line source dispersion model that does not specifically address topographic variability or intervening structures (e.g., flat site topography was assumed). It does not include the potential effects due to the presence of the surrounding buildings (e.g., downwash).

Future traffic volumes were obtained from the traffic impact analysis prepared for the project. Worst-case traffic is projected to occur on Saturdays. The future peak Saturday traffic volume entering and leaving Balboa Park past Alcazar Garden is 1,000 vehicles per hour (Rick Engineering 2011). As discussed above, implementation of this project would not result in an increase in traffic. To determine the effect the project would have on air quality in the Alcazar Garden, this peak hour volume was modeled for two scenarios: (1) the existing configuration with traffic traveling on El Prado north of the Alcazar Garden, and (2) the proposed configuration with traffic traveling south of the Alcazar Garden over the Centennial Bridge and through the Alcazar parking lot.

The CALINE4 dispersion model takes into account wind characteristics. Wind direction, speed, and frequency for the five-year period from 2006 through 2010 were taken into account based on a wind rose developed from Lindbergh Field surface wind data. This information included direction and strength. The wind rose is shown in Figure 5. Table 7

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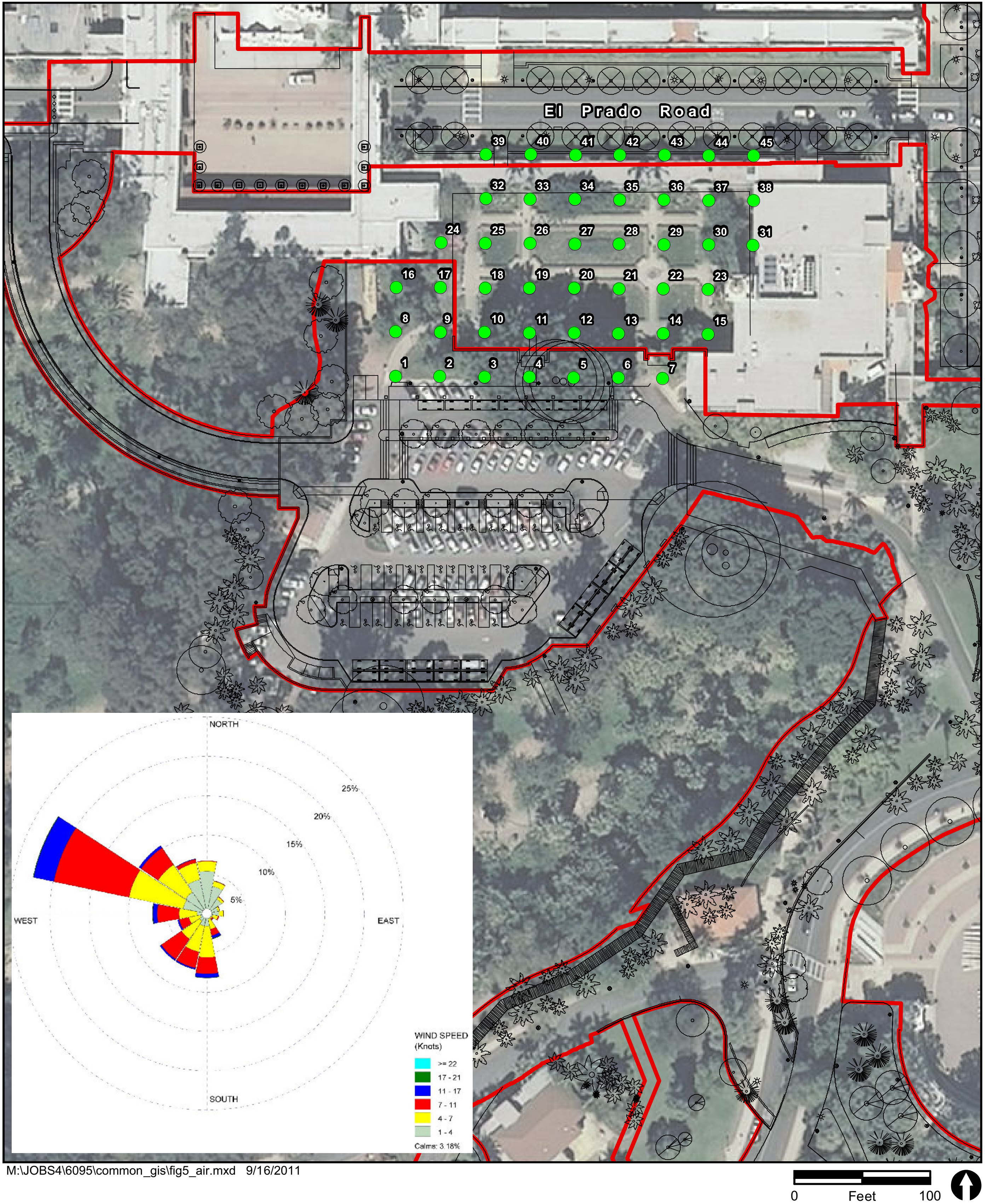

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□ Project Area

— Proposed Alcazar Parking Lot Design

● Modeled Receptors

FIGURE 5

Alcazar Garden Modeled Receptors

provides the angles, average speeds, and relative durations of the wind used in the analysis. Separate CALINE4 runs were made for each 22.5-degree wind angle. Worst-case stability class was assumed for each model run.

TABLE 7
WIND DIRECTION AND RELATIVE DURATION

Wind Direction	Angle	Average Wind Speed (meters/second)	Relative Duration (%)
N	0.0	1.8	6.72
NNE	22.5	1.8	4.26
NE	45.0	1.8	2.62
ENE	67.5	1.8	1.69
E	90.0	2.0	2.13
ESE	112.5	2.4	1.58
SE	135.0	2.7	1.01
SSE	157.5	3.7	3.29
S	180.0	3.4	8.18
SSW	202.5	3.3	7.25
SW	225.0	3.6	7.24
WSW	247.5	3.5	3.82
W	270.0	3.8	6.93
WNW	292.5	4.0	22.55
NW	315.0	3.1	10.44
NNW	337.5	2.2	7.11
Calm	n/a	n/a	3.18

As indicated, the CO concentration was calculated at each receiver for each modeled wind angle. The individual wind angle concentrations were then weighted for the relative duration of the wind and combined to develop the total CO concentration at each modeled location for both the existing configuration and the proposed configuration.

As shown in Table 3, the highest one-hour measured CO concentration at the San Diego—Union Street monitoring station was 10.8 ppm (on December 9, 2006). The worst case background concentrations typically occur in the winter. With the development of cleaner technologies, background CO concentrations are expected to fall over time. Therefore, this maximum one-hour CO concentration was used in the CO hot spot analysis as the worst-case background CO concentration.

Attachment 2 includes the CALINE4 input and output files for the existing configuration. Attachment 3 includes the CALINE4 input and output files for the project. Attachment 4 includes the weighted CO concentration calculations.

The worst-case future one-hour CO concentrations for both the existing configuration and the project are shown in Table 8. As shown, the project would reduce the CO concentrations at most locations in the Alcazar Garden relative to the existing condition. This is due to the wind patterns and the location of the vehicles relative to the Alcazar Garden (see Figure 5). There are a few locations where the modeled CO concentrations are higher than the existing condition (Receivers 6-12). This is because these receivers would be closer to vehicle traffic under the project than they currently are under the existing configuration. However, the concentrations shown in Table 8 would be less than significant. Overall CO concentrations in the Alcazar Garden would be reduced relative to the existing condition because the project would move vehicles further from the garden and in a favorable wind direction relative to the garden.

As also shown in Table 8, the CO concentrations would range from 10.800 to 10.807 ppm. This includes a 10.80 ppm background concentration. These concentrations are less than the federal and state standards of 35 ppm and 20 ppm, respectively.

Vehicle parking activities would also occur at the proposed parking garage. However, the parking garage is not a sensitive use and the southeast elevation of the structure would be open to allow for ventilation. CO concentrations at receptors adjacent to the parking garage would be similar to those modeled above at the Alcazar Garden and would be less than significant.

6.2.3 Toxic Air Emissions and Odors

The project would restore pedestrian and park uses to the Plaza de Panama and is not anticipated to create or expose sensitive receivers to odors. Consequently, no odor impacts are anticipated for the existing or future sensitive receivers in the project vicinity and on-site.

In addition, as demonstrated by the CO air dispersion modeling discussed above, CO concentrations in the Alcazar Garden would be less under the project relative to the existing condition. This is because of the prevailing wind patterns. For the same reasons, concentrations of other vehicle pollutants, including PM and diesel particulate matter, in the Alcazar Garden would be less with the project than those with the existing configuration. Impacts would be less than significant.

TABLE 8
FUTURE WORST-CASE ALCAZAR GARDEN CO CONCENTRATIONS
(ppm)

Receiver	Proposed Project (Traffic Through Alcazar Parking Lot South of Alcazar Garden)	Existing Configuration (Traffic on El Prado North of Alcazar Garden)	Difference
1	10.800	10.818	-0.018
2	10.800	10.818	-0.017
3	10.801	10.818	-0.017
4	10.801	10.818	-0.017
5	10.801	10.818	-0.017
6	10.806	10.804	0.002
7	10.806	10.804	0.002
8	10.806	10.804	0.002
9	10.806	10.804	0.001
10	10.806	10.804	0.001
11	10.807	10.804	0.002
12	10.806	10.804	0.002
13	10.804	10.805	-0.001
14	10.804	10.805	-0.001
15	10.804	10.804	-0.001
16	10.804	10.804	-0.001
17	10.804	10.804	-0.001
18	10.804	10.804	-0.001
19	10.804	10.804	-0.001
20	10.804	10.804	0.000
21	10.803	10.807	-0.004
22	10.804	10.808	-0.005
23	10.804	10.808	-0.004
24	10.801	10.809	-0.009
25	10.801	10.809	-0.009
26	10.801	10.809	-0.009
27	10.801	10.809	-0.009
28	10.802	10.809	-0.007
29	10.802	10.809	-0.007
30	10.802	10.809	-0.007
31	10.803	10.811	-0.008
32	10.801	10.813	-0.012
33	10.801	10.813	-0.012
34	10.800	10.813	-0.012
35	10.800	10.813	-0.012
36	10.801	10.813	-0.011
37	10.801	10.813	-0.011
38	10.802	10.812	-0.010
39	10.801	10.820	-0.020
40	10.800	10.821	-0.020
41	10.800	10.820	-0.020
42	10.800	10.820	-0.019
43	10.801	10.820	-0.019
44	10.801	10.820	-0.019
45	10.801	10.820	-0.019

NOTE: Includes 1-hour CO background concentration of 10.80 ppm.

6.3 Conformance with Regional Plans and City Criteria

6.3.1 California Air Resources Board

1. Is a regional air quality plan being implemented in the project area?

The project site is in the City of San Diego, which is within the SDAB. The 1991/1992 RAQS (and triennial updates) are implemented by SDAPCD throughout the air basin. Therefore, the project fulfills the first criteria from the CARB guidelines described in Chapter 5.0, Thresholds of Significance.

2. Is the project consistent with the growth assumptions in the regional air quality plan?

As described above, the California Clean Air Act requires areas that are designated nonattainment of state ambient air quality standards to prepare and implement plans to attain the standards by the earliest practicable date. The SDAB is designated nonattainment for ozone. Accordingly, the RAQS was developed to identify feasible emission control measures and provide expeditious progress toward attaining the State ozone standards. The two pollutants addressed in the RAQS are VOCs and NOx, which are precursors to the formation of ozone. Projected increases in motor vehicle usage, population, and industrial growth create challenges in controlling emissions to maintain and further improve air quality. The RAQS, in conjunction with the TCM, were most recently adopted in 2009 as the air quality plan for the region. The other plan for the SDAB is the San Diego portion of the California SIP. California's SIP consists of a comprehensive state strategy designed to attain ozone, PM_{10}, and $PM_{2.5}$ standards.

Since the project does not propose a change in land use from the City's General Plan, it can be considered consistent with the growth assumptions in the RAQS and SIP (State of California 1989a). The project would require amendments to the Balboa Park Master Plan and the Central Mesa Precise Plan; however, it would not result in intensifying the use of the park or an increase in traffic generation. The project would provide more parking than the existing condition; however, additional parking would not generate additional trips (Rick Engineering 2011). Therefore, the project would not conflict with the RAQS or SIP.

3. Does the project incorporate all feasible and available air quality control measures?

The project would be required to use best management practices to decrease emissions from construction. The project would not change operational emissions. The level of impacts would be less than significant.

6.3.2 City of San Diego

1. Would the project obstruct or conflict with the implementation of the San Diego RAQS or applicable portions of the SIP?

As discussed above, because the project does not propose a change in land use designation nor intensity of use, it would not require a change in the growth assumptions upon which the RAQS and SIP are based. Therefore, the project would not conflict with the RAQS or SIP and impacts associated with conflicts with regional air quality plans would be less than significant.

2. Would the project result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?

The SDAB does not comply with the federal and/or state criteria pollutant standards for ozone, PM_{10}, and $PM_{2.5}$. However, the project would not introduce any new stationary sources of emissions and would not contribute to an exceedance of air quality standards.

Emissions due to construction and operation of the project are discussed below.

3. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including release emissions which exceed quantitative thresholds for ozone precursors)?

The region is classified as attainment for all criterion pollutants except ozone, PM_{10}, and $PM_{2.5}$. The SDAB is non-attainment for the 8-hour federal and state ozone standards. Ozone is not emitted directly, but is a result of atmospheric activity on precursors. Nitrogen oxides and hydrocarbons (ROGs) are known as the chief “precursors” of ozone. These compounds react in the presence of sunlight to produce ozone.

As discussed above, the level of maximum daily construction emissions are projected to be less than the applicable thresholds for all criterion pollutants. The level of construction impacts would be less than significant.

Mobile source emissions originate from traffic generated by a project. Implementation of this project, however, would not result in an increase in traffic. Area source emissions result from activities such as use of natural gas or consumer products. Implementation of this project would not result in any increase in area source emissions. There would be no impact related to mobile or area source emissions. Operational emissions would be less than significant.

4. Would the project expose sensitive receptors to substantial pollutant concentration including air toxics such as diesel particulates?

As shown in Table 8, the project would reduce the CO concentrations in the Alcazar Garden. This is due to the wind patterns and the location of the vehicles relative to the Alcazar Garden (see Figure 5). Future hourly CO concentrations are less than the federal and state standards of 35 ppm and 20 ppm, respectively, for both the project and the existing configuration.

In addition, as demonstrated by the CO air dispersion modeling, concentrations of other vehicle pollutants, including PM and diesel particulate matter, in the Alcazar Garden would be less with the project than those with the existing configuration. Impacts would be less than significant.

5. Would the project create objectionable odors affecting a substantial number of people?

The project would restore pedestrian and park uses to the Plaza de Panama and is not anticipated to create or expose sensitive receivers to odors. Consequently, no odor impacts are anticipated for the existing or future sensitive receivers in the project vicinity and on-site.

7.0 Conclusions and Recommendations

Emission due to construction and operation of the project would be less than applicable thresholds for all criteria pollutants. The project would reduce vehicle emission concentrations in the Alcazar Garden because of the project area wind characteristics and the location of vehicle traffic in relation to receivers in the Alcazar Garden. Additionally, the project would not conflict with the RAQS or SIP and impacts associated with conflicts with regional air plans. All air quality impacts would be less than significant.

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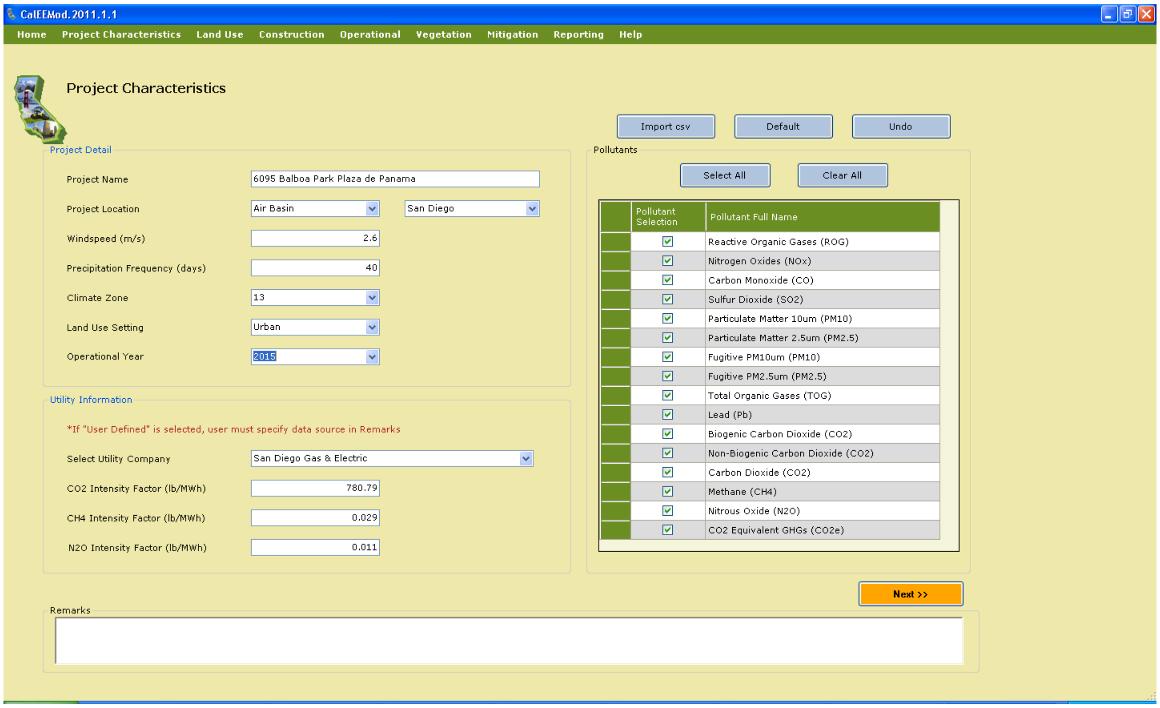
ATTACHMENTS

ATTACHMENT 1



Project Characteristics

Project Detail

Project Name: 6095 Balboa Park Plaza de Panama

Project Location: Air Basin; San Diego

Windspeed (m/s): 2.6

Precipitation Frequency (days): 40

Climate Zone: 13

Land Use Setting: Urban

Operational Year: 2015

Utility Information

*If "User Defined" is selected, user must specify data source in Remarks

Select Utility Company: San Diego Gas & Electric

CO2 Intensity Factor (lb/MWh): 780.79

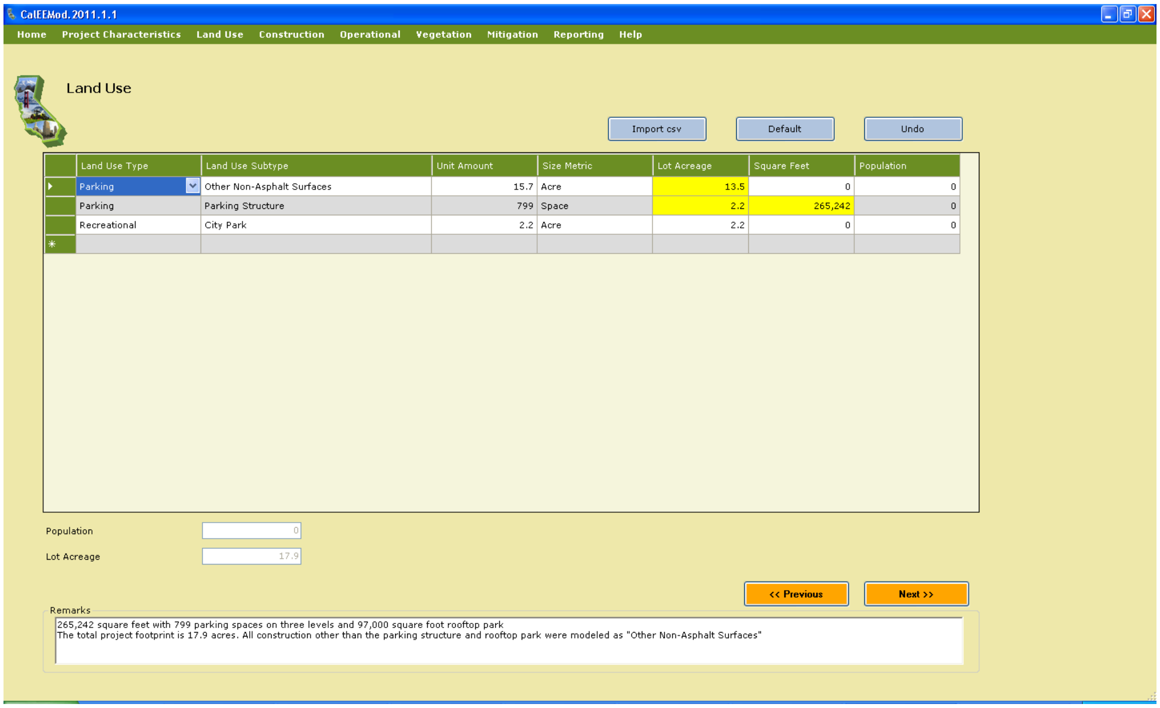
CH4 Intensity Factor (lb/MWh): 0.029

N2O Intensity Factor (lb/MWh): 0.011

Pollutants

Pollutant Selection	Pollutant Full Name
☑	Reactive Organic Gases (ROG)
☑	Nitrogen Oxides (NOx)
☑	Carbon Monoxide (CO)
☑	Sulfur Dioxide (SO2)
☑	Particulate Matter 10um (PM10)
☑	Particulate Matter 2.5um (PM2.5)
☑	Fugitive PM10um (PM10)
☑	Fugitive PM2.5um (PM2.5)
☑	Total Organic Gases (TOG)
☑	Lead (Pb)
☑	Biogenic Carbon Dioxide (CO2)
☑	Non-Biogenic Carbon Dioxide (CO2)
☑	Carbon Dioxide (CO2)
☑	Methane (CH4)
☑	Nitrous Oxide (N2O)
☑	CO2 Equivalent GHGs (CO2e)

Remarks



Land Use

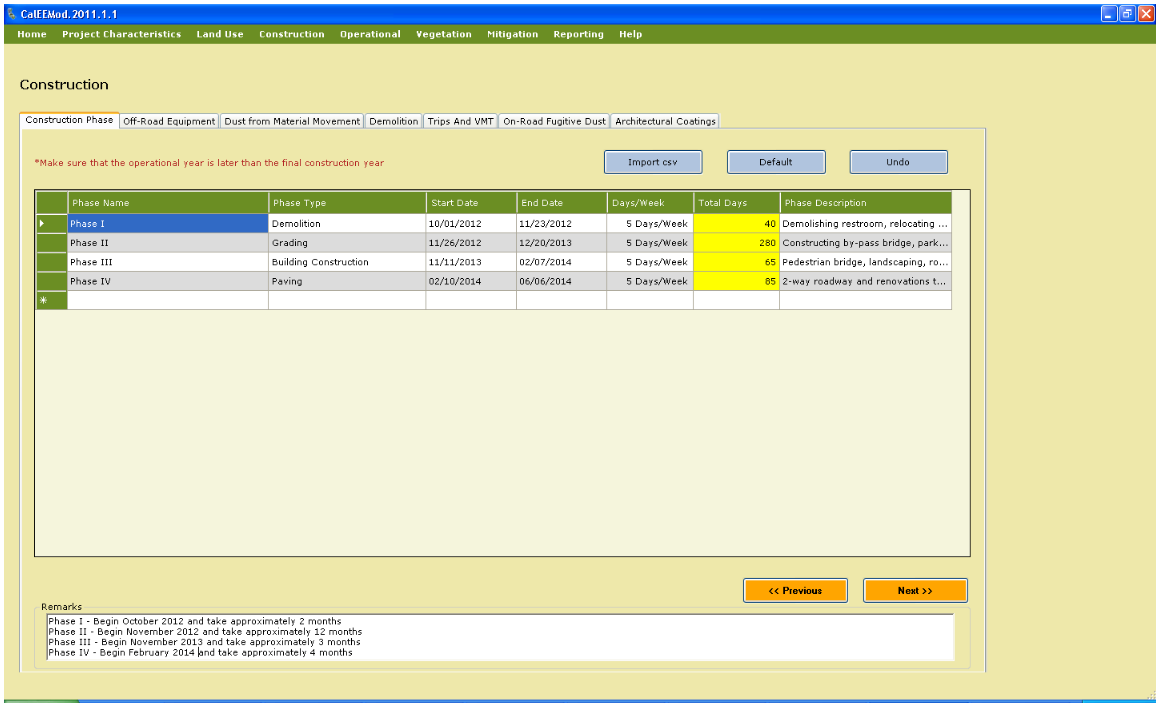
Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Square Feet	Population
Parking	Other Non-Asphalt Surfaces	15.7	Acre	13.5	0	0
Parking	Parking Structure	799	Space	2.2	265,242	0
Recreational	City Park	2.2	Acre	2.2	0	0

Population: 0

Lot Acreage: 17.9

Remarks

265,242 square feet with 799 parking spaces on three levels and 97,000 square foot rooftop park
The total project footprint is 17.9 acres. All construction other than the parking structure and rooftop park were modeled as "Other Non-Asphalt Surfaces"

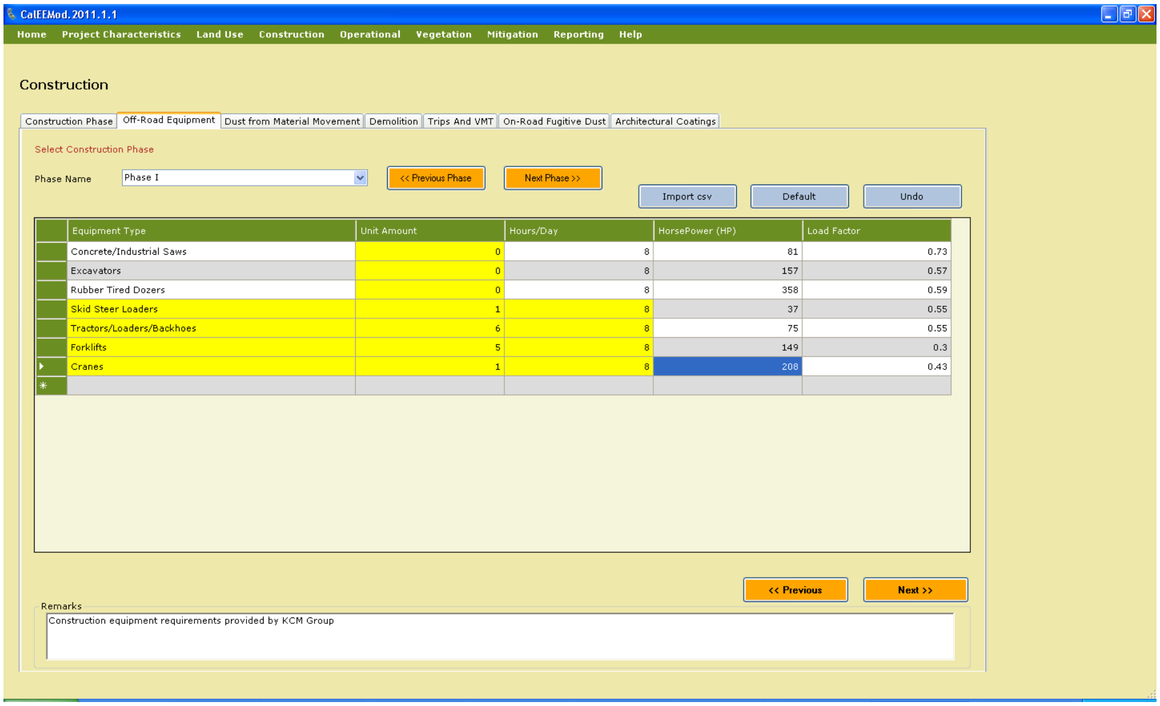


*Make sure that the operational year is later than the final construction year

Phase Name	Phase Type	Start Date	End Date	Days/Week	Total Days	Phase Description
Phase I	Demolition	10/01/2012	11/23/2012	5 Days/Week	40	Demolishing restroom, relocating ...
Phase II	Grading	11/26/2012	12/20/2013	5 Days/Week	280	Constructing by-pass bridge, park...
Phase III	Building Construction	11/11/2013	02/07/2014	5 Days/Week	65	Pedestrian bridge, landscaping, ro...
Phase IV	Paving	02/10/2014	06/06/2014	5 Days/Week	85	2-way roadway and renovations t...

Remarks

Phase I - Begin October 2012 and take approximately 2 months
Phase II - Begin November 2012 and take approximately 12 months
Phase III - Begin November 2013 and take approximately 3 months
Phase IV - Begin February 2014 and take approximately 4 months



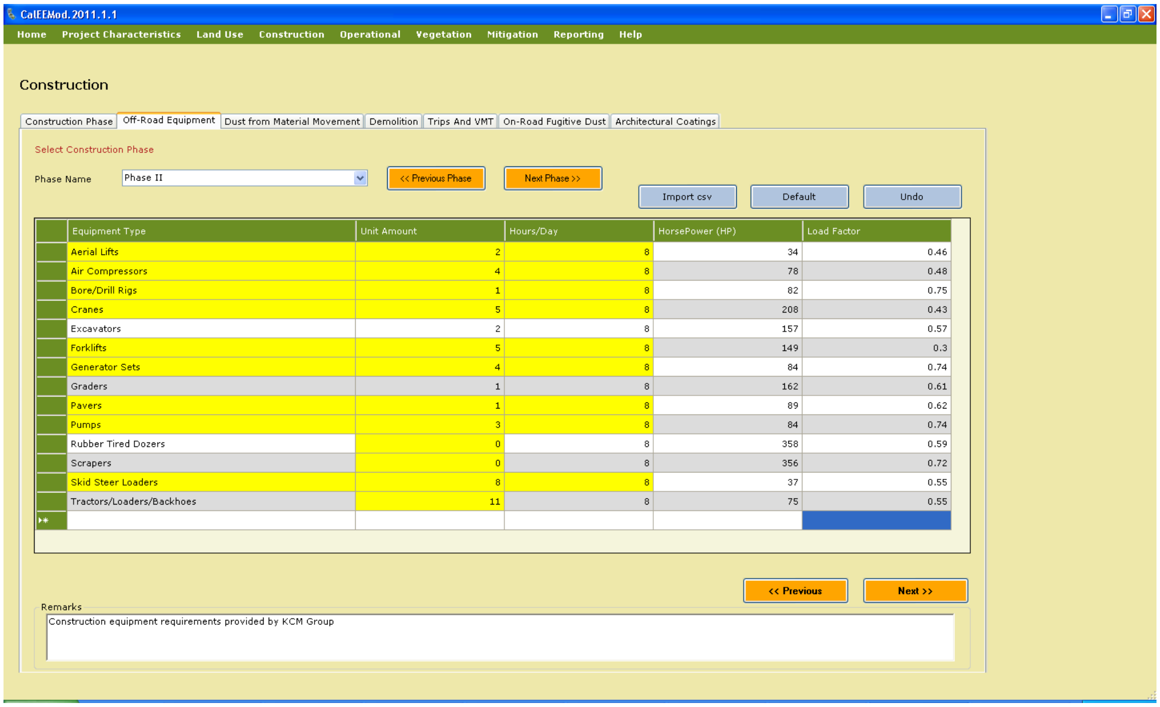
Select Construction Phase

Phase Name: Phase I

Equipment Type	Unit Amount	Hours/Day	HorsePower (HP)	Load Factor
Concrete/Industrial Saws	0	8	81	0.73
Excavators	0	8	157	0.57
Rubber Tired Dozers	0	8	358	0.59
Skid Steer Loaders	1	8	37	0.55
Tractors/Loaders/Backhoes	6	8	75	0.55
Forklifts	5	8	149	0.3
Cranes	1	8	208	0.43

Remarks

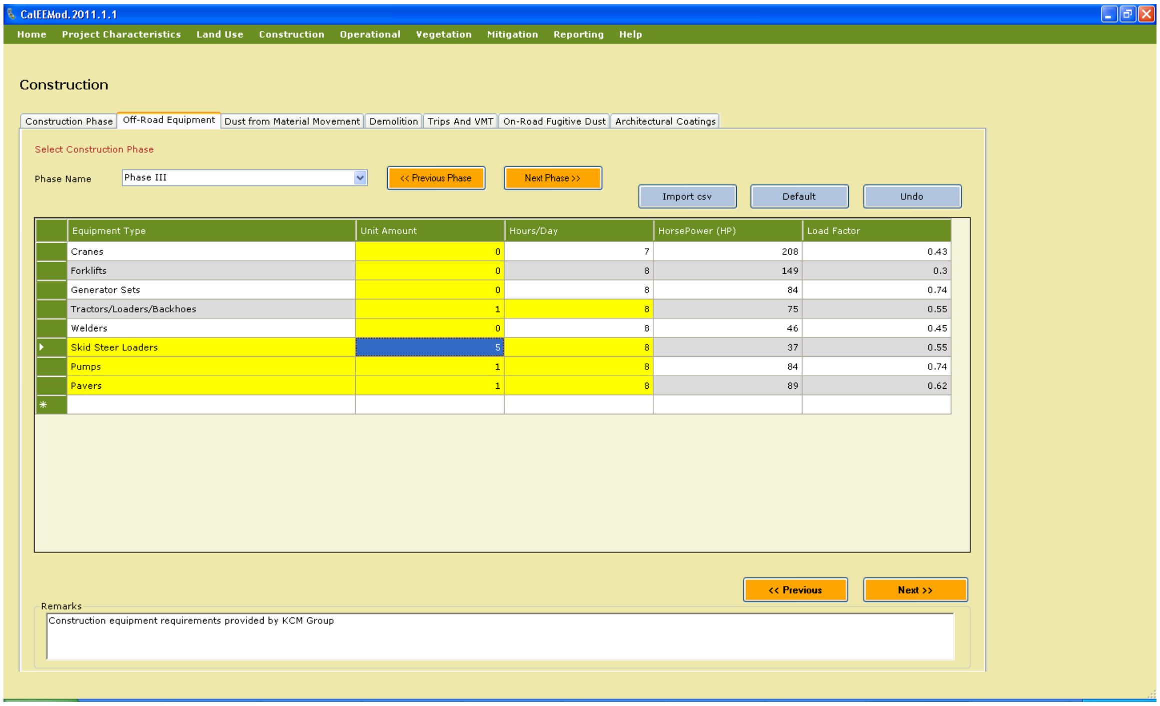
Construction equipment requirements provided by KCM Group



Phase Name: Phase II

Equipment Type	Unit Amount	Hours/Day	HorsePower (HP)	Load Factor
Aerial Lifts	2	8	34	0.46
Air Compressors	4	8	78	0.48
Bore/Drill Rigs	1	8	82	0.75
Cranes	5	8	208	0.43
Excavators	2	8	157	0.57
Forklifts	5	8	149	0.3
Generator Sets	4	8	84	0.74
Graders	1	8	162	0.61
Pavers	1	8	89	0.62
Pumps	3	8	84	0.74
Rubber Tired Dozers	0	8	358	0.59
Scrapers	0	8	356	0.72
Skid Steer Loaders	8	8	37	0.55
Tractors/Loaders/Backhoes	11	8	75	0.55

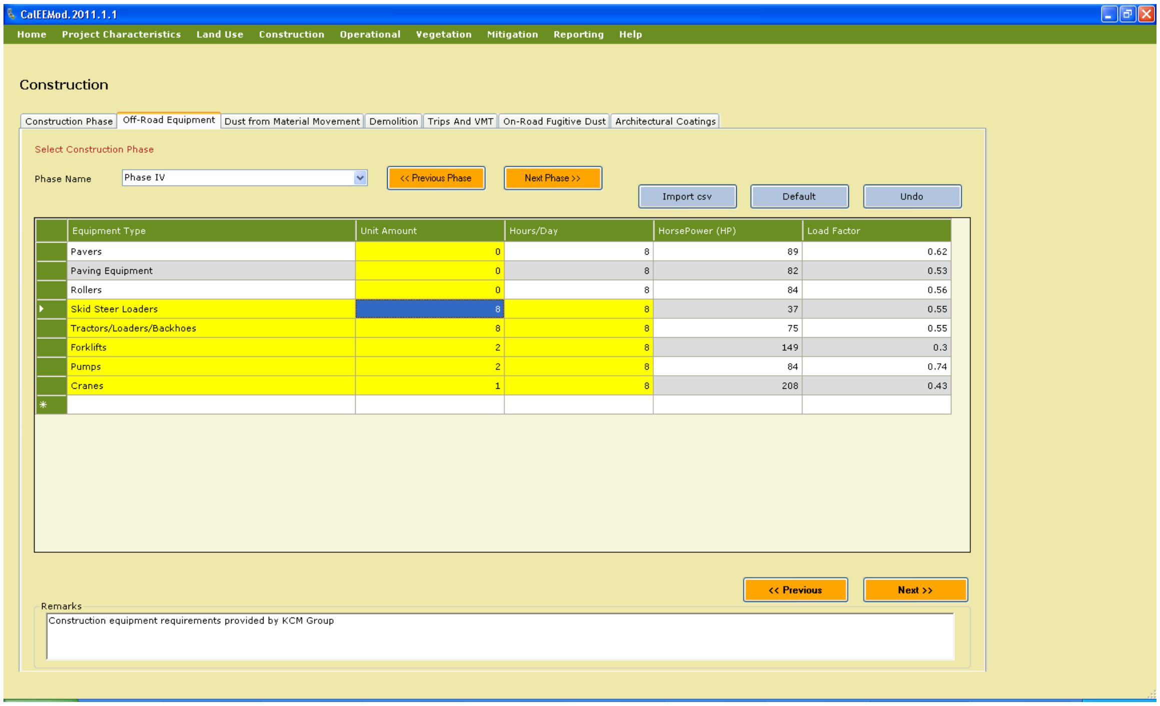
Remarks
Construction equipment requirements provided by KCM Group



Phase Name: Phase III

Equipment Type	Unit Amount	Hours/Day	HorsePower (HP)	Load Factor
Cranes	0	7	208	0.43
Forklifts	0	8	149	0.3
Generator Sets	0	8	84	0.74
Tractors/Loaders/Backhoes	1	8	75	0.55
Welders	0	8	46	0.45
Skid Steer Loaders	5	8	37	0.55
Pumps	1	8	84	0.74
Pavers	1	8	89	0.62

Remarks
Construction equipment requirements provided by KCM Group



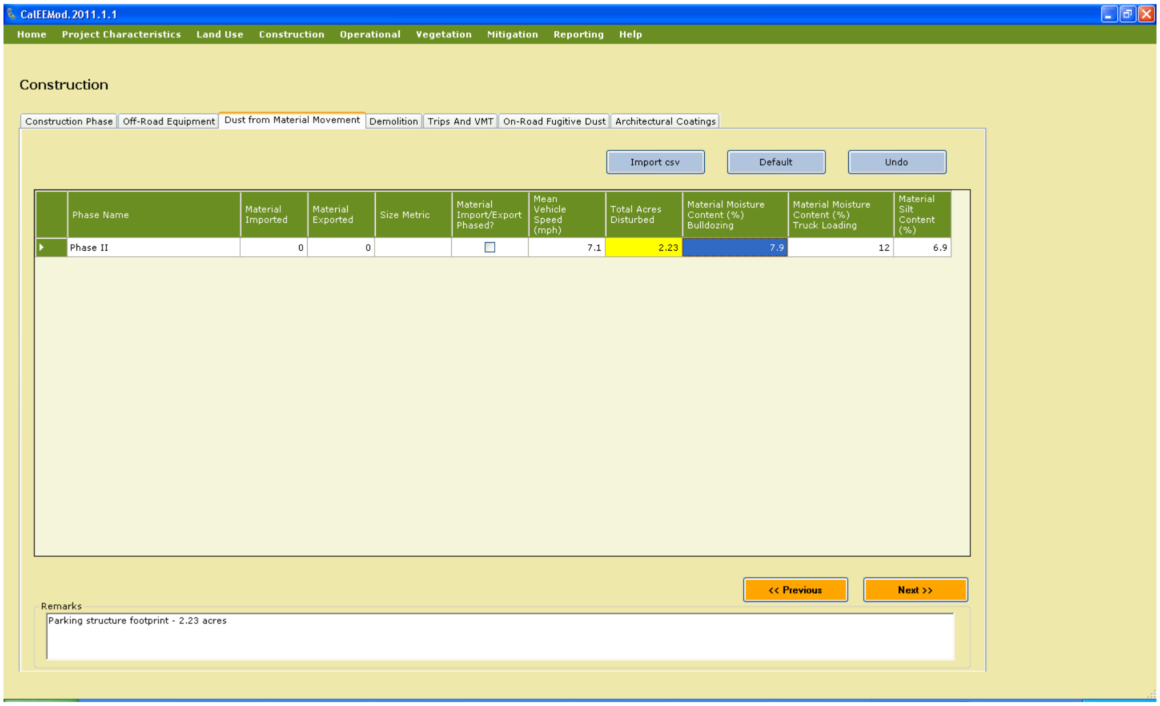
Construction

Select Construction Phase

Phase Name: Phase IV

Equipment Type	Unit Amount	Hours/Day	HorsePower (HP)	Load Factor
Pavers	0	8	89	0.62
Paving Equipment	0	8	82	0.53
Rollers	0	8	84	0.56
Skid Steer Loaders	8	8	37	0.55
Tractors/Loaders/Backhoes	8	8	75	0.55
Forklifts	2	8	149	0.3
Pumps	2	8	84	0.74
Cranes	1	8	208	0.43

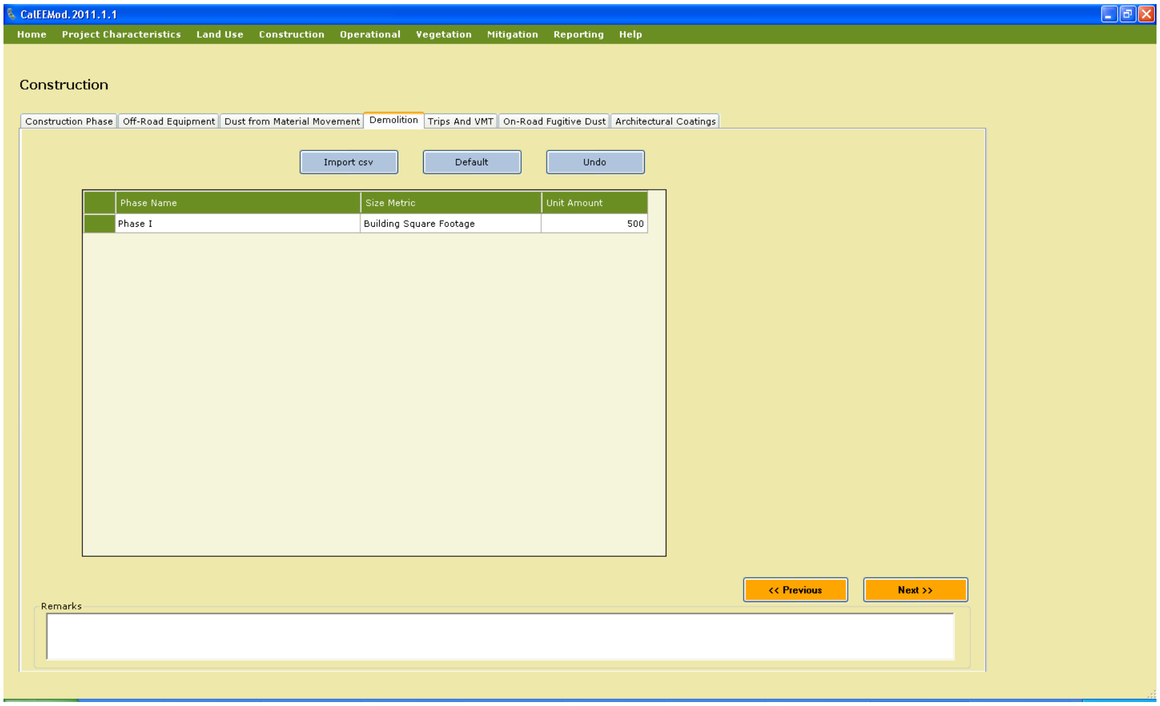
Remarks: Construction equipment requirements provided by KCM Group



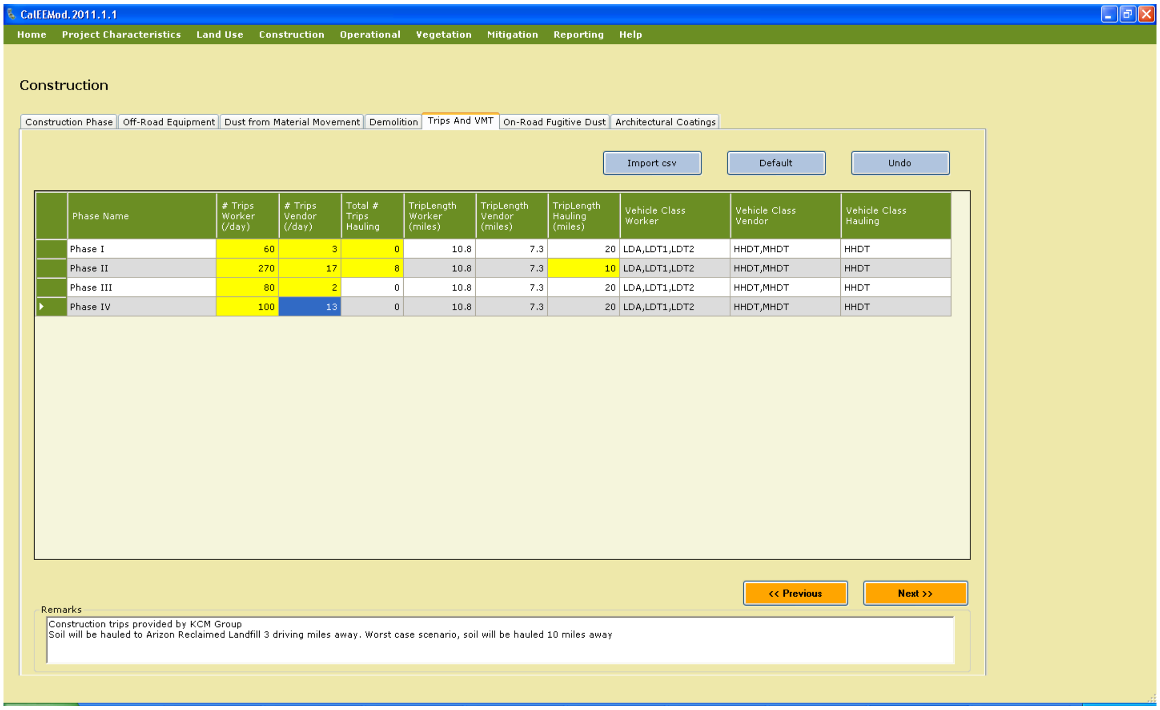
Construction

Phase Name	Material Imported	Material Exported	Size Metric	Material Import/Export Phased?	Mean Vehicle Speed (mph)	Total Acres Disturbed	Material Moisture Content (%) Bulldozing	Material Moisture Content (%) Truck Loading	Material Silt Content (%)
Phase II	0	0		☐	7.1	2.23	7.9	12	6.9

Remarks: Parking structure footprint - 2.23 acres

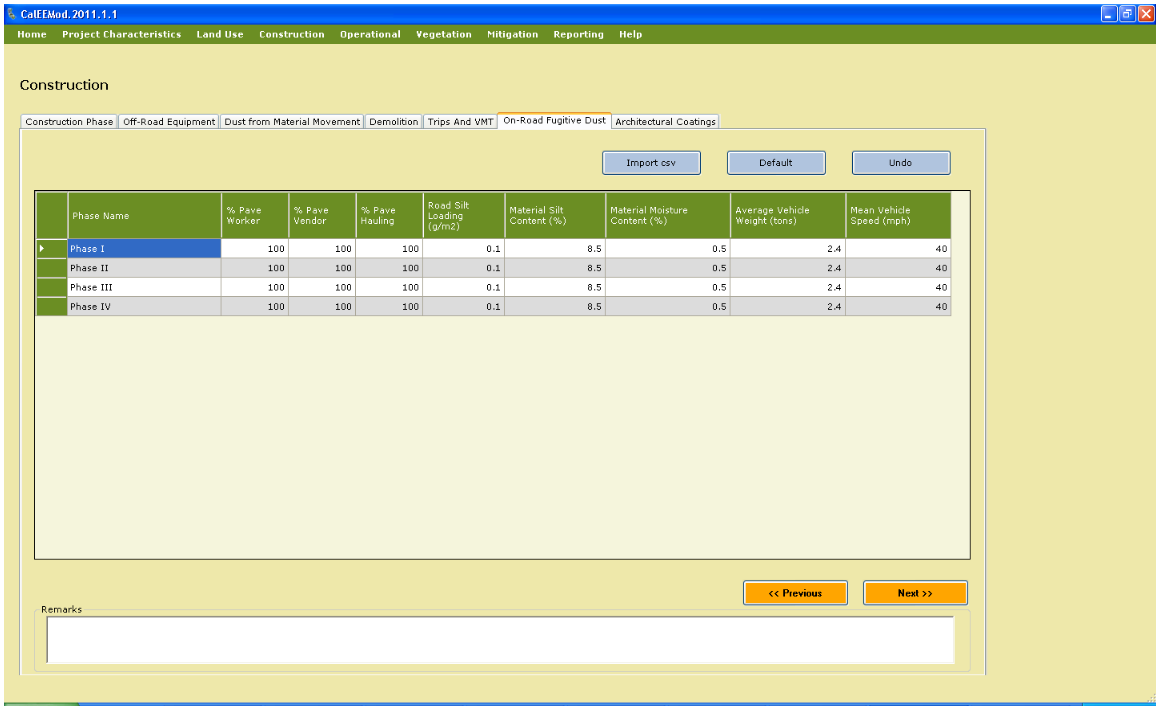


	Phase Name	Size Metric	Unit Amount
	Phase I	Building Square Footage	500



	Phase Name	# Trips Worker (/day)	# Trips Vendor (/day)	Total # Trips Hauling	TripLength Worker (miles)	TripLength Vendor (miles)	TripLength Hauling (miles)	Vehicle Class Worker	Vehicle Class Vendor	Vehicle Class Hauling
	Phase I	60	3	0	10.8	7.3	20	LDA,LDT1,LDT2	HHDT,MHDT	HHDT
	Phase II	270	17	8	10.8	7.3	10	LDA,LDT1,LDT2	HHDT,MHDT	HHDT
	Phase III	80	2	0	10.8	7.3	20	LDA,LDT1,LDT2	HHDT,MHDT	HHDT
▸	Phase IV	100	13	0	10.8	7.3	20	LDA,LDT1,LDT2	HHDT,MHDT	HHDT

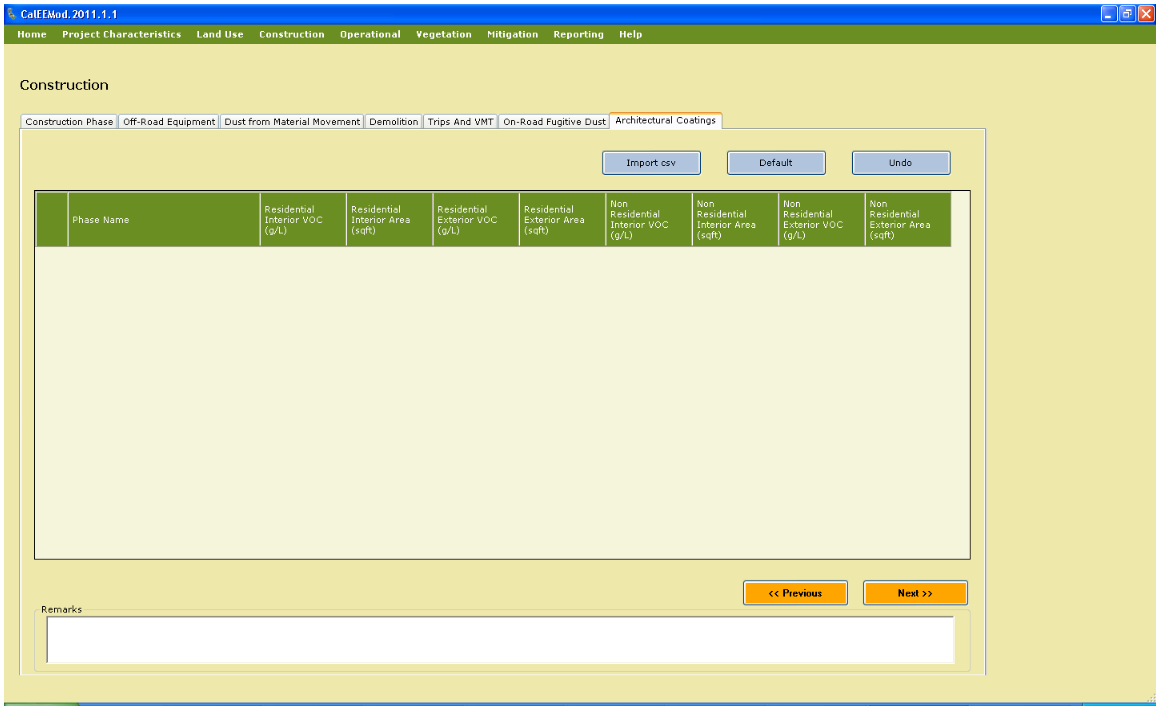
Construction trips provided by KCM Group
Soil will be hauled to Arizon Reclaimed Landfill 3 driving miles away. Worst case scenario, soil will be hauled 10 miles away



Construction

Phase Name	% Pave Worker	% Pave Vendor	% Pave Hauling	Road Silt Loading (g/m2)	Material Silt Content (%)	Material Moisture Content (%)	Average Vehicle Weight (tons)	Mean Vehicle Speed (mph)
Phase I	100	100	100	0.1	8.5	0.5	2.4	40
Phase II	100	100	100	0.1	8.5	0.5	2.4	40
Phase III	100	100	100	0.1	8.5	0.5	2.4	40
Phase IV	100	100	100	0.1	8.5	0.5	2.4	40

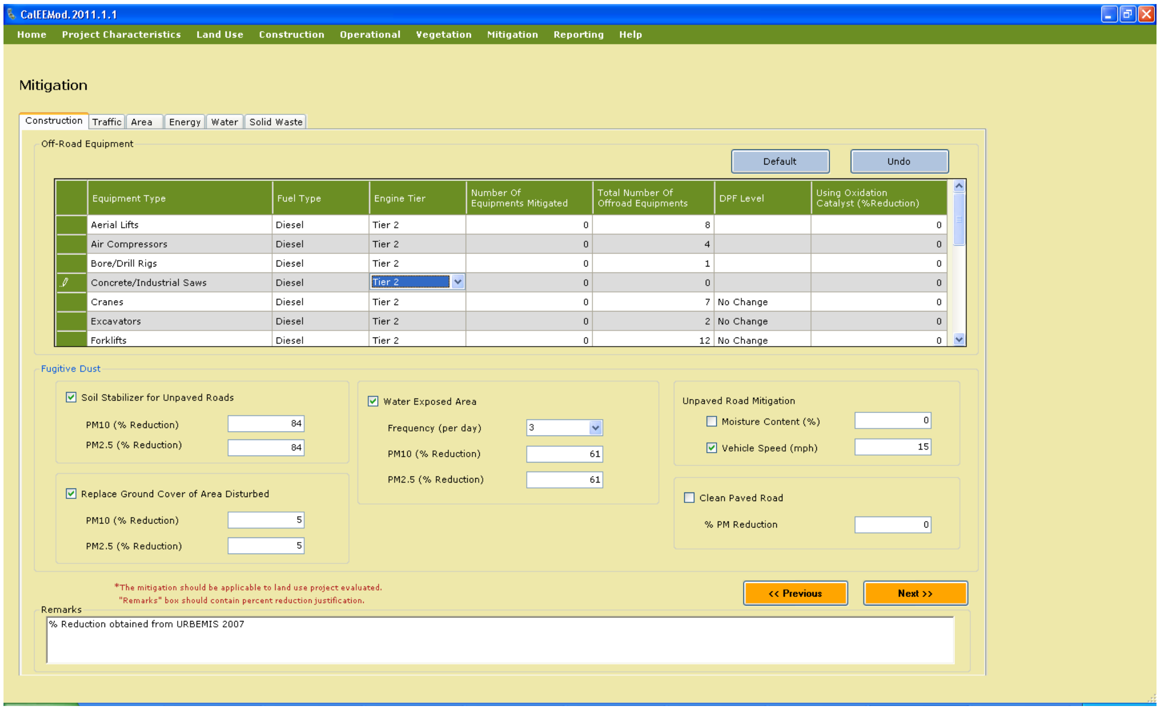
Remarks



Construction

Phase Name	Residential Interior VOC (g/L)	Residential Interior Area (sqft)	Residential Exterior VOC (g/L)	Residential Exterior Area (sqft)	Non Residential Interior VOC (g/L)	Non Residential Interior Area (sqft)	Non Residential Exterior VOC (g/L)	Non Residential Exterior Area (sqft)

Remarks



Mitigation

Off-Road Equipment

Equipment Type	Fuel Type	Engine Tier	Number Of Equipments Mitigated	Total Number Of Offroad Equipments	DPF Level	Using Oxidation Catalyst (%Reduction)
Aerial Lifts	Diesel	Tier 2	0	8		0
Air Compressors	Diesel	Tier 2	0	4		0
Bore/Drill Rigs	Diesel	Tier 2	0	1		0
Concrete/Industrial Saws	Diesel	Tier 2	0	0		0
Cranes	Diesel	Tier 2	0	7	No Change	0
Excavators	Diesel	Tier 2	0	2	No Change	0
Forklifts	Diesel	Tier 2	0	12	No Change	0

Fugitive Dust

☑ Soil Stabilizer for Unpaved Roads
PM10 (% Reduction): 84
PM2.5 (% Reduction): 84

☑ Replace Ground Cover of Area Disturbed
PM10 (% Reduction): 5
PM2.5 (% Reduction): 5

☑ Water Exposed Area
Frequency (per day): 3
PM10 (% Reduction): 61
PM2.5 (% Reduction): 61

Unpaved Road Mitigation
☐ Moisture Content (%): 0
☑ Vehicle Speed (mph): 15

☐ Clean Paved Road
% PM Reduction: 0

*The mitigation should be applicable to land use project evaluated.
"Remarks" box should contain percent reduction justification.

Remarks

% Reduction obtained from URBEMIS 2007

6095 Balboa Park Plaza de Panama

San Diego Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	799	Space
City Park	2.2	Acre
Other Non-Asphalt Surfaces	15.7	Acre

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use - 265,242 square feet with 799 parking spaces on three levels and 97,000 square foot rooftop park
The total project footprint is 17.9 acres. All construction other than the parking structure and rooftop park were modeled as "Other Non-Asphalt Surfaces"

Construction Phase - Phase I - Begin October 2012 and take approximately 2 months
Phase II - Begin November 2012 and take approximately 12 months
Phase III - Begin November 2013 and take approximately 3 months
Phase IV - Begin February 2014 and take approximately 4 months

Off-road Equipment - Construction equipment requirements provided by KCM Group

Off-road Equipment - Construction equipment requirements provided by KCM Group

Off-road Equipment - Construction equipment requirements provided by KCM Group

Off-road Equipment - Construction equipment requirements provided by KCM Group

Trips and VMT - Construction trips provided by KCM Group
Soil will be hauled to Arizon Reclaimed Landfill 3 driving miles away. Worst case scenario, soil will be hauled 10 miles away
Demolition -

Grading - Parking structure footprint - 2.23 acres

Vehicle Trips - Proposed project would not generate additional trips

Construction Off-road Equipment Mitigation - % Reduction obtained from URBEMIS 2007

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2012	0.59	3.98	2.66	0.00	0.03	0.27	0.30	0.00	0.27	0.27	0.00	403.71	403.71	0.05	0.00	404.73
2013	4.03	27.07	18.90	0.03	0.22	1.81	2.04	0.00	1.81	1.81	0.00	2,900.35	2,900.35	0.33	0.00	2,907.24
2014	0.52	3.25	2.76	0.00	0.05	0.22	0.27	0.00	0.22	0.22	0.00	387.88	387.88	0.04	0.00	388.77
Total	**5.14**	**34.30**	**24.32**	**0.03**	**0.30**	**2.30**	**2.61**	**0.00**	**2.30**	**2.30**	**0.00**	**3,691.94**	**3,691.94**	**0.42**	**0.00**	**3,700.74**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2012	0.59	3.98	2.66	0.00	0.03	0.27	0.30	0.00	0.27	0.27	0.00	403.71	403.71	0.05	0.00	404.73
2013	4.03	27.07	18.90	0.03	0.22	1.81	2.03	0.00	1.81	1.81	0.00	2,900.35	2,900.35	0.33	0.00	2,907.24
2014	0.52	3.25	2.76	0.00	0.05	0.22	0.27	0.00	0.22	0.22	0.00	387.88	387.88	0.04	0.00	388.77
Total	**5.14**	**34.30**	**24.32**	**0.03**	**0.30**	**2.30**	**2.60**	**0.00**	**2.30**	**2.30**	**0.00**	**3,691.94**	**3,691.94**	**0.42**	**0.00**	**3,700.74**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.34	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	3.47	0.00	0.00	3.47
Waste						0.00	0.00		0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.09
Water						0.00	0.00		0.00	0.00	0.00	10.31	10.31	0.00	0.00	10.37
Total	**1.34**	**0.01**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**13.78**	**13.82**	**0.00**	**0.00**	**13.93**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.34	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	3.47	0.00	0.00	3.47
Waste						0.00	0.00		0.00	0.00	0.04	0.00	0.04	0.00	0.00	0.09
Water						0.00	0.00		0.00	0.00	0.00	10.31	10.31	0.00	0.00	10.37
Total	**1.34**	**0.01**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**13.78**	**13.82**	**0.00**	**0.00**	**13.93**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Phase I - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.15	1.05	0.69	0.00		0.07	0.07		0.07	0.07	0.00	105.49	105.49	0.01	0.00	105.75
Total	**0.15**	**1.05**	**0.69**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.07**	**0.07**	**0.00**	**105.49**	**105.49**	**0.01**	**0.00**	**105.75**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.48
Worker	0.00	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.01	6.01	0.00	0.00	6.02
Total	**0.00**	**0.01**	**0.06**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**7.49**	**7.49**	**0.00**	**0.00**	**7.50**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.15	1.05	0.69	0.00		0.07	0.07		0.07	0.07	0.00	105.49	105.49	0.01	0.00	105.75
Total	**0.15**	**1.05**	**0.69**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.07**	**0.07**	**0.00**	**105.49**	**105.49**	**0.01**	**0.00**	**105.75**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	1.48	0.00	0.00	1.48
Worker	0.00	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.01	6.01	0.00	0.00	6.02
Total	**0.00**	**0.01**	**0.06**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**7.49**	**7.49**	**0.00**	**0.00**	**7.50**

3.3 Phase II - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.43	2.87	1.78	0.00		0.20	0.20		0.20	0.20	0.00	271.30	271.30	0.03	0.00	272.03
Total	**0.43**	**2.87**	**1.78**	**0.00**	**0.00**	**0.20**	**0.20**	**0.00**	**0.20**	**0.20**	**0.00**	**271.30**	**271.30**	**0.03**	**0.00**	**272.03**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Vendor	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.44	5.44	0.00	0.00	5.44
Worker	0.01	0.01	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.97	13.97	0.00	0.00	13.99
Total	**0.01**	**0.05**	**0.14**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**19.42**	**19.42**	**0.00**	**0.00**	**19.44**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.43	2.87	1.78	0.00		0.20	0.20		0.20	0.20	0.00	271.30	271.30	0.03	0.00	272.03
Total	**0.43**	**2.87**	**1.78**	**0.00**	**0.00**	**0.20**	**0.20**	**0.00**	**0.20**	**0.20**	**0.00**	**271.30**	**271.30**	**0.03**	**0.00**	**272.03**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01
Vendor	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.44	5.44	0.00	0.00	5.44
Worker	0.01	0.01	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.97	13.97	0.00	0.00	13.99
Total	**0.01**	**0.05**	**0.14**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**19.42**	**19.42**	**0.00**	**0.00**	**19.44**

3.3 Phase II - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	3.82	26.12	17.19	0.03		1.75	1.75		1.75	1.75	0.00	2,650.41	2,650.41	0.31	0.00	2,656.91
Total	**3.82**	**26.12**	**17.19**	**0.03**	**0.00**	**1.75**	**1.75**	**0.00**	**1.75**	**1.75**	**0.00**	**2,650.41**	**2,650.41**	**0.31**	**0.00**	**2,656.91**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.14
Vendor	0.03	0.36	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01	0.00	53.22	53.22	0.00	0.00	53.25
Worker	0.09	0.10	0.98	0.00	0.17	0.01	0.18	0.00	0.01	0.01	0.00	133.62	133.62	0.01	0.00	133.80
Total	**0.12**	**0.46**	**1.21**	**0.00**	**0.20**	**0.02**	**0.22**	**0.00**	**0.02**	**0.02**	**0.00**	**186.98**	**186.98**	**0.01**	**0.00**	**187.19**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	3.82	26.12	17.19	0.03		1.75	1.75		1.75	1.75	0.00	2,650.41	2,650.41	0.31	0.00	2,656.91
Total	**3.82**	**26.12**	**17.19**	**0.03**	**0.00**	**1.75**	**1.75**	**0.00**	**1.75**	**1.75**	**0.00**	**2,650.41**	**2,650.41**	**0.31**	**0.00**	**2,656.91**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.14	0.14	0.00	0.00	0.14
Vendor	0.03	0.36	0.23	0.00	0.02	0.01	0.03	0.00	0.01	0.01	0.00	53.22	53.22	0.00	0.00	53.25
Worker	0.09	0.10	0.98	0.00	0.17	0.01	0.18	0.00	0.01	0.01	0.00	133.62	133.62	0.01	0.00	133.80
Total	**0.12**	**0.46**	**1.21**	**0.00**	**0.20**	**0.02**	**0.22**	**0.00**	**0.02**	**0.02**	**0.00**	**186.98**	**186.98**	**0.01**	**0.00**	**187.19**

3.4 Phase III - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.09	0.47	0.37	0.00		0.04	0.04		0.04	0.04	0.00	43.74	43.74	0.01	0.00	43.89
Total	**0.09**	**0.47**	**0.37**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**43.74**	**43.74**	**0.01**	**0.00**	**43.89**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.91	0.00	0.00	0.91
Worker	0.01	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	18.31	18.31	0.00	0.00	18.33
Total	**0.01**	**0.02**	**0.13**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**19.22**	**19.22**	**0.00**	**0.00**	**19.24**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.09	0.47	0.37	0.00		0.04	0.04		0.04	0.04	0.00	43.74	43.74	0.01	0.00	43.89
Total	**0.09**	**0.47**	**0.37**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**43.74**	**43.74**	**0.01**	**0.00**	**43.89**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.91	0.00	0.00	0.91
Worker	0.01	0.01	0.13	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	18.31	18.31	0.00	0.00	18.33
Total	**0.01**	**0.02**	**0.13**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**19.22**	**19.22**	**0.00**	**0.00**	**19.24**

3.4 Phase III - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.06	0.34	0.27	0.00		0.03	0.03		0.03	0.03	0.00	33.10	33.10	0.00	0.00	33.20
Total	**0.06**	**0.34**	**0.27**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**33.10**	**33.10**	**0.00**	**0.00**	**33.20**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.00	0.00	0.69
Worker	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.56	13.56	0.00	0.00	13.58
Total	**0.01**	**0.01**	**0.09**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**14.25**	**14.25**	**0.00**	**0.00**	**14.27**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.06	0.34	0.27	0.00		0.03	0.03		0.03	0.03	0.00	33.10	33.10	0.00	0.00	33.20
Total	**0.06**	**0.34**	**0.27**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**33.10**	**33.10**	**0.00**	**0.00**	**33.20**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.69	0.00	0.00	0.69
Worker	0.01	0.01	0.09	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	13.56	13.56	0.00	0.00	13.58
Total	**0.01**	**0.01**	**0.09**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**14.25**	**14.25**	**0.00**	**0.00**	**14.27**

3.5 Phase IV - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.43	2.80	2.20	0.00		0.19	0.19		0.19	0.19	0.00	307.23	307.23	0.03	0.00	307.96
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.43**	**2.80**	**2.20**	**0.00**		**0.19**	**0.19**		**0.19**	**0.19**	**0.00**	**307.23**	**307.23**	**0.03**	**0.00**	**307.96**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.08	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	13.64	13.64	0.00	0.00	13.65
Worker	0.01	0.01	0.14	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.66	19.66	0.00	0.00	19.69
Total	**0.02**	**0.09**	**0.19**	**0.00**	**0.03**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**33.30**	**33.30**	**0.00**	**0.00**	**33.34**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.43	2.80	2.20	0.00		0.19	0.19		0.19	0.19	0.00	307.23	307.23	0.03	0.00	307.96
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.43**	**2.80**	**2.20**	**0.00**		**0.19**	**0.19**		**0.19**	**0.19**	**0.00**	**307.23**	**307.23**	**0.03**	**0.00**	**307.96**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.01	0.08	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	13.64	13.64	0.00	0.00	13.65
Worker	0.01	0.01	0.14	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	19.66	19.66	0.00	0.00	19.69
Total	**0.02**	**0.09**	**0.19**	**0.00**	**0.03**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**33.30**	**33.30**	**0.00**	**0.00**	**33.34**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	3.47	0.00	0.00	3.47
Unmitigated	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	3.47	0.00	0.00	3.47
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	3.50	3.50	3.50	7,468	7,468
Parking Structure	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	3.50	3.50	3.50	7,468	7,468

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
City Park	0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**0.00**	**0.00**	**0.00**	**0.00**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
City Park	0					0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**0.00**	**0.00**	**0.00**	**0.00**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.34	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	1.34	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.31					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.04					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**1.35**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.31					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.04					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**1.35**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					10.31	0.00	0.00	10.37
Unmitigated					10.31	0.00	0.00	10.37
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
City Park	0 / 2.62126					10.31	0.00	0.00	10.37
Other Non-Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Total						**10.31**	**0.00**	**0.00**	**10.37**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
City Park	0 / 2.62126					10.31	0.00	0.00	10.37
Other Non-Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Total						**10.31**	**0.00**	**0.00**	**10.37**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					0.04	0.00	0.00	0.09
Unmitigated					0.04	0.00	0.00	0.09
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
City Park	0.19					0.04	0.00	0.00	0.09
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**0.04**	**0.00**	**0.00**	**0.09**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
City Park	0.19					0.04	0.00	0.00	0.09
Other Non-Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Parking Structure	0					0.00	0.00	0.00	0.00
Total						**0.04**	**0.00**	**0.00**	**0.09**

9.0 Vegetation

6095 Balboa Park Plaza de Panama

San Diego Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	799	Space
City Park	2.2	Acre
Other Non-Asphalt Surfaces	15.7	Acre

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use - 265,242 square feet with 799 parking spaces on three levels and 97,000 square foot rooftop park
The total project footprint is 17.9 acres. All construction other than the parking structure and rooftop park were modeled as "Other Non-Asphalt Surfaces"

Construction Phase - Phase I - Begin October 2012 and take approximately 2 months
Phase II - Begin November 2012 and take approximately 12 months

Off-road Equipment - Construction equipment requirements provided by KCM Group
Off-road Equipment - Construction equipment requirements provided by KCM Group
Off-road Equipment - Construction equipment requirements provided by KCM Group
Off-road Equipment - Construction equipment requirements provided by KCM Group
Trips and VMT - Construction trips provided by KCM Group
Demolition -
Grading - Parking structure footprint - 2.23 acres
Vehicle Trips - Proposed project would not generate additional trips
Construction Off-road Equipment Mitigation - % Reduction obtained from URBEMIS 2007

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	33.80	224.70	147.79	0.26	1.80	15.49	17.29	0.02	15.48	15.50	0.00	24,735.52	0.00	3.04	0.00	24,799.28
2013	36.32	236.07	172.65	0.31	3.27	16.03	19.29	0.04	16.01	16.06	0.00	28,532.56	0.00	3.27	0.00	28,601.20
2014	10.60	68.21	56.28	0.10	1.47	4.57	5.38	0.02	4.56	4.57	0.00	8,868.44	0.00	0.95	0.00	8,888.33
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	33.80	224.70	147.79	0.26	1.79	15.49	17.28	0.02	15.48	15.50	0.00	24,735.52	0.00	3.04	0.00	24,799.28
2013	36.32	236.07	172.65	0.31	3.26	16.03	19.29	0.04	16.01	16.06	0.00	28,532.56	0.00	3.27	0.00	28,601.20
2014	10.60	68.21	56.28	0.10	1.47	4.57	5.38	0.02	4.56	4.57	0.00	8,868.44	0.00	0.95	0.00	8,888.33
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational - Not Applicable; Deleted from Output File

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Phase I - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	7.46	52.47	34.56	0.06		3.62	3.62		3.62	3.62		5,815.97		0.67		5,830.02
Total	**7.46**	**52.47**	**34.56**	**0.06**	**0.01**	**3.62**	**3.63**	**0.00**	**3.62**	**3.62**		**5,815.97**		**0.67**		**5,830.02**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.55	0.32	0.00	0.03	0.02	0.05	0.00	0.02	0.02		81.64		0.00		81.69
Worker	0.21	0.24	2.44	0.00	0.43	0.01	0.45	0.01	0.01	0.02		352.61		0.02		353.10
Total	**0.26**	**0.79**	**2.76**	**0.00**	**0.46**	**0.03**	**0.50**	**0.01**	**0.03**	**0.04**		**434.25**		**0.02**		**434.79**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	7.46	52.47	34.56	0.06		3.62	3.62		3.62	3.62	0.00	5,815.97		0.67		5,830.02
Total	**7.46**	**52.47**	**34.56**	**0.06**	**0.00**	**3.62**	**3.62**	**0.00**	**3.62**	**3.62**	**0.00**	**5,815.97**		**0.67**		**5,830.02**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.55	0.32	0.00	0.03	0.02	0.05	0.00	0.02	0.02		81.64		0.00		81.69
Worker	0.21	0.24	2.44	0.00	0.43	0.01	0.45	0.01	0.01	0.02		352.61		0.02		353.10
Total	**0.26**	**0.79**	**2.76**	**0.00**	**0.46**	**0.03**	**0.50**	**0.01**	**0.03**	**0.04**		**434.25**		**0.02**		**434.79**

3.3 Phase II - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	32.77	220.68	137.25	0.25		15.33	15.33		15.33	15.33		23,010.81		2.94		23,072.52
Total	**32.77**	**220.68**	**137.25**	**0.25**	**0.01**	**15.33**	**15.34**	**0.00**	**15.33**	**15.33**		**23,010.81**		**2.94**		**23,072.52**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.01	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.22		0.00		1.22
Vendor	0.27	3.14	1.80	0.00	0.16	0.10	0.26	0.00	0.10	0.10		462.64		0.01		462.92
Worker	0.76	0.87	8.73	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,260.85		0.08		1,262.61
Total	**1.03**	**4.02**	**10.54**	**0.01**	**1.79**	**0.15**	**1.94**	**0.02**	**0.15**	**0.17**		**1,724.71**		**0.09**		**1,726.75**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	32.77	220.68	137.25	0.25		15.33	15.33		15.33	15.33	0.00	23,010.81		2.94		23,072.52
Total	**32.77**	**220.68**	**137.25**	**0.25**	**0.00**	**15.33**	**15.33**	**0.00**	**15.33**	**15.33**	**0.00**	**23,010.81**		**2.94**		**23,072.52**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.01	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.22		0.00		1.22
Vendor	0.27	3.14	1.80	0.00	0.16	0.10	0.26	0.00	0.10	0.10		462.64		0.01		462.92
Worker	0.76	0.87	8.73	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,260.85		0.08		1,262.61
Total	**1.03**	**4.02**	**10.54**	**0.01**	**1.79**	**0.15**	**1.94**	**0.02**	**0.15**	**0.17**		**1,724.71**		**0.09**		**1,726.75**

3.3 Phase II - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	30.06	205.76	135.36	0.25		13.82	13.82		13.82	13.82		23,010.81		2.69		23,067.27
Total	**30.06**	**205.76**	**135.36**	**0.25**	**0.01**	**13.82**	**13.83**	**0.00**	**13.82**	**13.82**		**23,010.81**		**2.69**		**23,067.27**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.00	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.23		0.00		1.23
Vendor	0.25	2.90	1.66	0.00	0.16	0.10	0.25	0.00	0.09	0.09		463.42		0.01		463.68
Worker	0.70	0.80	8.03	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,234.40		0.08		1,236.04
Total	**0.95**	**3.71**	**9.69**	**0.01**	**1.79**	**0.15**	**1.93**	**0.02**	**0.14**	**0.16**		**1,699.05**		**0.09**		**1,700.95**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	30.06	205.76	135.36	0.25		13.82	13.82		13.82	13.82	0.00	23,010.81		2.69		23,067.27
Total	**30.06**	**205.76**	**135.36**	**0.25**	**0.00**	**13.82**	**13.82**	**0.00**	**13.82**	**13.82**	**0.00**	**23,010.81**		**2.69**		**23,067.27**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.00	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.23		0.00		1.23
Vendor	0.25	2.90	1.66	0.00	0.16	0.10	0.25	0.00	0.09	0.09		463.42		0.01		463.68
Worker	0.70	0.80	8.03	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,234.40		0.08		1,236.04
Total	**0.95**	**3.71**	**9.69**	**0.01**	**1.79**	**0.15**	**1.93**	**0.02**	**0.14**	**0.16**		**1,699.05**		**0.09**		**1,700.95**

3.4 Phase III - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.63	25.51	19.86	0.03		2.00	2.00		2.00	2.00		2,607.01		0.41		2,615.72
Total	**4.63**	**25.51**	**19.86**	**0.03**		**2.00**	**2.00**		**2.00**	**2.00**		**2,607.01**		**0.41**		**2,615.72**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.34	0.20	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.52		0.00		54.55
Worker	0.66	0.75	7.55	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,161.17		0.07		1,162.72
Total	**0.69**	**1.09**	**7.75**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,215.69**		**0.07**		**1,217.27**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.63	25.51	19.86	0.03		2.00	2.00		2.00	2.00	0.00	2,607.01		0.41		2,615.72
Total	**4.63**	**25.51**	**19.86**	**0.03**		**2.00**	**2.00**		**2.00**	**2.00**	**0.00**	**2,607.01**		**0.41**		**2,615.72**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.34	0.20	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.52		0.00		54.55
Worker	0.66	0.75	7.55	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,161.17		0.07		1,162.72
Total	**0.69**	**1.09**	**7.75**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,215.69**		**0.07**		**1,217.27**

3.4 Phase III - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.14	24.09	19.50	0.03		1.79	1.79		1.79	1.79		2,607.01		0.37		2,614.83
Total	**4.14**	**24.09**	**19.50**	**0.03**		**1.79**	**1.79**		**1.79**	**1.79**		**2,607.01**		**0.37**		**2,614.83**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.32	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.61		0.00		54.64
Worker	0.61	0.69	6.94	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,136.87		0.07		1,138.31
Total	**0.64**	**1.01**	**7.12**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,191.48**		**0.07**		**1,192.95**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.14	24.09	19.50	0.03		1.79	1.79		1.79	1.79	0.00	2,607.01		0.37		2,614.83
Total	**4.14**	**24.09**	**19.50**	**0.03**		**1.79**	**1.79**		**1.79**	**1.79**	**0.00**	**2,607.01**		**0.37**		**2,614.83**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.32	0.18	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.61		0.00		54.64
Worker	0.61	0.69	6.94	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,136.87		0.07		1,138.31
Total	**0.64**	**1.01**	**7.12**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,191.48**		**0.07**		**1,192.95**

3.5 Phase IV - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.13	65.82	51.79	0.09		4.48	4.48		4.48	4.48		7,970.65		0.91		7,989.68
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**10.13**	**65.82**	**51.79**	**0.09**		**4.48**	**4.48**		**4.48**	**4.48**		**7,970.65**		**0.91**		**7,989.68**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.17	2.06	1.17	0.00	0.12	0.07	0.19	0.00	0.06	0.07		354.96		0.01		355.14
Worker	0.29	0.33	3.31	0.01	0.69	0.02	0.72	0.01	0.02	0.03		542.83		0.03		543.52
Total	**0.46**	**2.39**	**4.48**	**0.01**	**0.81**	**0.09**	**0.91**	**0.01**	**0.08**	**0.10**		**897.79**		**0.04**		**898.66**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.13	65.82	51.79	0.09		4.48	4.48		4.48	4.48	0.00	7,970.65		0.91		7,989.68
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**10.13**	**65.82**	**51.79**	**0.09**		**4.48**	**4.48**		**4.48**	**4.48**	**0.00**	**7,970.65**		**0.91**		**7,989.68**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.17	2.06	1.17	0.00	0.12	0.07	0.19	0.00	0.06	0.07		354.96		0.01		355.14
Worker	0.29	0.33	3.31	0.01	0.69	0.02	0.72	0.01	0.02	0.03		542.83		0.03		543.52
Total	**0.46**	**2.39**	**4.48**	**0.01**	**0.81**	**0.09**	**0.91**	**0.01**	**0.08**	**0.10**		**897.79**		**0.04**		**898.66**

CalEEMod Version: CalEEMod.2011.1.1

Date: 9/14/2011

6095 Balboa Park Plaza de Panama

San Diego Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Parking Structure	799	Space
City Park	2.2	Acre
Other Non-Asphalt Surfaces	15.7	Acre

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Utility Company**	San Diego Gas & Electric
Climate Zone	13	**Precipitation Freq (Days)**	40		

1.3 User Entered Comments

Project Characteristics -

Land Use - 265,242 square feet with 799 parking spaces on three levels and 97,000 square foot rooftop park

The total project footprint is 17.9 acres. All construction other than the parking structure and rooftop park were modeled as "Other Non-Asphalt Surfaces"

Construction Phase - Phase I - Begin October 2012 and take approximately 2 months

Phase II - Begin November 2012 and take approximately 12 months

Phase III - Begin November 2013 and take approximately 3 months

Phase IV - Begin February 2014 and take approximately 4 months

Off-road Equipment - Construction equipment requirements provided by KCM Group

Off-road Equipment - Construction equipment requirements provided by KCM Group

Off-road Equipment - Construction equipment requirements provided by KCM Group

Off-road Equipment - Construction equipment requirements provided by KCM Group

Trips and VMT - Construction trips provided by KCM Group

Soil will be hauled to Arizon Reclaimed Landfill 3 driving miles away. Worst case scenario, soil will be hauled 10 miles away

Demolition -

Grading - Parking structure footprint - 2.23 acres

Vehicle Trips - Proposed project would not generate additional trips

Construction Off-road Equipment Mitigation - % Reduction obtained from URBEMIS 2007

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	33.88	224.84	147.57	0.26	1.80	15.49	17.29	0.02	15.48	15.50	0.00	24,635.48	0.00	3.03	0.00	24,699.19
2013	36.46	236.27	172.09	0.30	3.27	16.03	19.30	0.04	16.01	16.06	0.00	28,344.75	0.00	3.26	0.00	28,413.28
2014	10.63	68.27	56.26	0.10	1.47	4.57	5.38	0.02	4.56	4.57	0.00	8,823.84	0.00	0.95	0.00	8,843.71
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	33.88	224.84	147.57	0.26	1.79	15.49	17.28	0.02	15.48	15.50	0.00	24,635.48	0.00	3.03	0.00	24,699.19
2013	36.46	236.27	172.09	0.30	3.26	16.03	19.29	0.04	16.01	16.06	0.00	28,344.75	0.00	3.26	0.00	28,413.28
2014	10.63	68.27	56.26	0.10	1.47	4.57	5.38	0.02	4.56	4.57	0.00	8,823.84	0.00	0.95	0.00	8,843.71
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.36	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.02	0.03	0.15	0.00	0.02	0.00	0.03	0.00	0.00	0.00		20.71		0.00		20.74
Total	**7.38**	**0.03**	**0.15**	**0.00**	**0.02**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**20.71**		**0.00**	**0.00**	**20.74**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.36	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.02	0.03	0.15	0.00	0.02	0.00	0.03	0.00	0.00	0.00		20.71		0.00		20.74
Total	**7.38**	**0.03**	**0.15**	**0.00**	**0.02**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**20.71**		**0.00**	**0.00**	**20.74**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Phase I - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	7.46	52.47	34.56	0.06		3.62	3.62		3.62	3.62		5,815.97		0.67		5,830.02
Total	**7.46**	**52.47**	**34.56**	**0.06**	**0.01**	**3.62**	**3.63**	**0.00**	**3.62**	**3.62**		**5,815.97**		**0.67**		**5,830.02**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.57	0.35	0.00	0.03	0.02	0.05	0.00	0.02	0.02		81.01		0.00		81.06
Worker	0.23	0.27	2.32	0.00	0.43	0.01	0.45	0.01	0.01	0.02		325.64		0.02		326.12
Total	**0.28**	**0.84**	**2.67**	**0.00**	**0.46**	**0.03**	**0.50**	**0.01**	**0.03**	**0.04**		**406.65**		**0.02**		**407.18**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	7.46	52.47	34.56	0.06		3.62	3.62		3.62	3.62	0.00	5,815.97		0.67		5,830.02
Total	**7.46**	**52.47**	**34.56**	**0.06**	**0.00**	**3.62**	**3.62**	**0.00**	**3.62**	**3.62**	**0.00**	**5,815.97**		**0.67**		**5,830.02**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.57	0.35	0.00	0.03	0.02	0.05	0.00	0.02	0.02		81.01		0.00		81.06
Worker	0.23	0.27	2.32	0.00	0.43	0.01	0.45	0.01	0.01	0.02		325.64		0.02		326.12
Total	**0.28**	**0.84**	**2.67**	**0.00**	**0.46**	**0.03**	**0.50**	**0.01**	**0.03**	**0.04**		**406.65**		**0.02**		**407.18**

3.3 Phase II - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	32.77	220.68	137.25	0.25		15.33	15.33		15.33	15.33		23,010.81		2.94		23,072.52
Total	**32.77**	**220.68**	**137.25**	**0.25**	**0.01**	**15.33**	**15.34**	**0.00**	**15.33**	**15.33**		**23,010.81**		**2.94**		**23,072.52**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.01	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.21		0.00		1.21
Vendor	0.28	3.20	2.01	0.00	0.16	0.11	0.26	0.00	0.10	0.10		459.05		0.01		459.34
Worker	0.82	0.95	8.30	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,164.41		0.08		1,166.11
Total	**1.10**	**4.16**	**10.32**	**0.01**	**1.79**	**0.16**	**1.94**	**0.02**	**0.15**	**0.17**		**1,624.67**		**0.09**		**1,626.66**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	32.77	220.68	137.25	0.25		15.33	15.33		15.33	15.33	0.00	23,010.81		2.94		23,072.52
Total	**32.77**	**220.68**	**137.25**	**0.25**	**0.00**	**15.33**	**15.33**	**0.00**	**15.33**	**15.33**	**0.00**	**23,010.81**		**2.94**		**23,072.52**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.01	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.21		0.00		1.21
Vendor	0.28	3.20	2.01	0.00	0.16	0.11	0.26	0.00	0.10	0.10		459.05		0.01		459.34
Worker	0.82	0.95	8.30	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,164.41		0.08		1,166.11
Total	**1.10**	**4.16**	**10.32**	**0.01**	**1.79**	**0.16**	**1.94**	**0.02**	**0.15**	**0.17**		**1,624.67**		**0.09**		**1,626.66**

3.3 Phase II - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00						0.00
Off-Road	30.06	205.76	135.36	0.25		13.82	13.82		13.82	13.82		23,010.81		2.69		23,067.27
Total	**30.06**	**205.76**	**135.36**	**0.25**	**0.01**	**13.82**	**13.83**	**0.00**	**13.82**	**13.82**		**23,010.81**		**2.69**		**23,067.27**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.01	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.22		0.00		1.22
Vendor	0.26	2.96	1.87	0.00	0.16	0.10	0.25	0.00	0.09	0.09		459.75		0.01		460.02
Worker	0.76	0.87	7.62	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,139.74		0.08		1,141.32
Total	**1.02**	**3.84**	**9.50**	**0.01**	**1.79**	**0.15**	**1.93**	**0.02**	**0.14**	**0.16**		**1,600.71**		**0.09**		**1,602.56**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00						0.00
Off-Road	30.06	205.76	135.36	0.25		13.82	13.82		13.82	13.82	0.00	23,010.81		2.69		23,067.27
Total	**30.06**	**205.76**	**135.36**	**0.25**	**0.00**	**13.82**	**13.82**	**0.00**	**13.82**	**13.82**	**0.00**	**23,010.81**		**2.69**		**23,067.27**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.01	0.01	0.00	0.09	0.00	0.09	0.00	0.00	0.00		1.22		0.00		1.22
Vendor	0.26	2.96	1.87	0.00	0.16	0.10	0.25	0.00	0.09	0.09		459.75		0.01		460.02
Worker	0.76	0.87	7.62	0.01	1.54	0.05	1.59	0.02	0.05	0.07		1,139.74		0.08		1,141.32
Total	**1.02**	**3.84**	**9.50**	**0.01**	**1.79**	**0.15**	**1.93**	**0.02**	**0.14**	**0.16**		**1,600.71**		**0.09**		**1,602.56**

3.4 Phase III - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.63	25.51	19.86	0.03		2.00	2.00		2.00	2.00		2,607.01		0.41		2,615.72
Total	**4.63**	**25.51**	**19.86**	**0.03**		**2.00**	**2.00**		**2.00**	**2.00**		**2,607.01**		**0.41**		**2,615.72**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.35	0.22	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.09		0.00		54.12
Worker	0.72	0.82	7.17	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,072.13		0.07		1,073.61
Total	**0.75**	**1.17**	**7.39**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,126.22**		**0.07**		**1,127.73**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.63	25.51	19.86	0.03		2.00	2.00		2.00	2.00	0.00	2,607.01		0.41		2,615.72
Total	**4.63**	**25.51**	**19.86**	**0.03**		**2.00**	**2.00**		**2.00**	**2.00**	**0.00**	**2,607.01**		**0.41**		**2,615.72**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.35	0.22	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.09		0.00		54.12
Worker	0.72	0.82	7.17	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,072.13		0.07		1,073.61
Total	**0.75**	**1.17**	**7.39**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,126.22**		**0.07**		**1,127.73**

3.4 Phase III - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.14	24.09	19.50	0.03		1.79	1.79		1.79	1.79		2,607.01		0.37		2,614.83
Total	**4.14**	**24.09**	**19.50**	**0.03**		**1.79**	**1.79**		**1.79**	**1.79**		**2,607.01**		**0.37**		**2,614.83**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.32	0.20	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.17		0.00		54.20
Worker	0.67	0.75	6.57	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,049.47		0.07		1,050.85
Total	**0.70**	**1.07**	**6.77**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,103.64**		**0.07**		**1,105.05**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.14	24.09	19.50	0.03		1.79	1.79		1.79	1.79	0.00	2,607.01		0.37		2,614.83
Total	**4.14**	**24.09**	**19.50**	**0.03**		**1.79**	**1.79**		**1.79**	**1.79**	**0.00**	**2,607.01**		**0.37**		**2,614.83**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.03	0.32	0.20	0.00	0.02	0.01	0.03	0.00	0.01	0.01		54.17		0.00		54.20
Worker	0.67	0.75	6.57	0.01	1.45	0.05	1.50	0.02	0.05	0.07		1,049.47		0.07		1,050.85
Total	**0.70**	**1.07**	**6.77**	**0.01**	**1.47**	**0.06**	**1.53**	**0.02**	**0.06**	**0.08**		**1,103.64**		**0.07**		**1,105.05**

3.5 Phase IV - 2014

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.13	65.82	51.79	0.09		4.48	4.48		4.48	4.48		7,970.65		0.91		7,989.68
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**10.13**	**65.82**	**51.79**	**0.09**		**4.48**	**4.48**		**4.48**	**4.48**		**7,970.65**		**0.91**		**7,989.68**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.18	2.09	1.33	0.00	0.12	0.07	0.19	0.00	0.06	0.07		352.09		0.01		352.28
Worker	0.32	0.36	3.14	0.01	0.69	0.02	0.72	0.01	0.02	0.03		501.10		0.03		501.76
Total	**0.50**	**2.45**	**4.47**	**0.01**	**0.81**	**0.09**	**0.91**	**0.01**	**0.08**	**0.10**		**853.19**		**0.04**		**854.04**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.13	65.82	51.79	0.09		4.48	4.48		4.48	4.48	0.00	7,970.65		0.91		7,989.68
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**10.13**	**65.82**	**51.79**	**0.09**		**4.48**	**4.48**		**4.48**	**4.48**	**0.00**	**7,970.65**		**0.91**		**7,989.68**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.18	2.09	1.33	0.00	0.12	0.07	0.19	0.00	0.06	0.07		352.09		0.01		352.28
Worker	0.32	0.36	3.14	0.01	0.69	0.02	0.72	0.01	0.02	0.03		501.10		0.03		501.76
Total	**0.50**	**2.45**	**4.47**	**0.01**	**0.81**	**0.09**	**0.91**	**0.01**	**0.08**	**0.10**		**853.19**		**0.04**		**854.04**

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.02	0.03	0.15	0.00	0.02	0.00	0.03	0.00	0.00	0.00		20.71		0.00		20.74
Unmitigated	0.02	0.03	0.15	0.00	0.02	0.00	0.03	0.00	0.00	0.00		20.71		0.00		20.74
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	3.50	3.50	3.50	7,468	7,468
Parking Structure	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	3.50	3.50	3.50	7,468	7,468

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
City Park	9.50	7.30	7.30	33.00	48.00	19.00
Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**	**0.00**	**0.00**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
City Park	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Other Non-Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**	**0.00**	**0.00**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.36	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	7.36	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.68					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**7.36**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.68					0.00	0.00		0.00	0.00						0.00
Consumer Products	5.68					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**7.36**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

ATTACHMENT 2

```
 * X Y 0.0 22.5 45.0 67.5 90.0 112.5 135.0 157.5 180.0 202.5 225.0 247.5 270.0 292.5
315.0 337.5
REC1     *  85751  21464      .1      .4      .5      .6      .2      .0      .0
 .0      .0      .0      .0      .0      .1      .3      .3      .3
REC2     *  85761  21464      .1      .4      .5      .6      .1      .0      .0
 .0      .0      .0      .0      .0      .1      .3      .3      .3
REC3     *  85771  21464      .1      .4      .5      .6      .1      .0      .0
 .0      .0      .0      .0      .0      .2      .3      .3      .3
REC4     *  85781  21464      .1      .4      .5      .6      .0      .0      .0
 .0      .0      .0      .0      .0      .2      .3      .3      .3
REC5     *  85791  21464      .1      .4      .5      .6      .0      .0      .0
 .0      .0      .0      .0      .0      .2      .3      .3      .3
REC6     *  85801  21464      .1      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC7     *  85811  21464      .1      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC8     *  85751  21474      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC9     *  85761  21474      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC10    *  85771  21474      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC11    *  85781  21474      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC12    *  85791  21474      .2      .2      .1      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC13    *  85801  21474      .2      .2      .2      .1      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC14    *  85811  21474      .2      .2      .2      .1      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC15    *  85821  21474      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC16    *  85751  21484      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC17    *  85761  21484      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC18    *  85771  21484      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC19    *  85781  21484      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC20    *  85791  21484      .2      .2      .1      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .0      .1      .1
REC21    *  85801  21484      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .1      .2
REC22    *  85811  21484      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC23    *  85821  21484      .2      .2      .2      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC24    *  85761  21494      .2      .2      .3      .3      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC25    *  85771  21494      .2      .2      .3      .3      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC26    *  85781  21494      .2      .2      .3      .2      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC27    *  85791  21494      .2      .2      .3      .2      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC28    *  85801  21494      .2      .2      .3      .2      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC29    *  85811  21494      .2      .2      .3      .1      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC30    *  85821  21494      .2      .2      .3      .0      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .1      .2      .2
REC31    *  85831  21494      .2      .2      .3      .0      .0      .0      .0
```

```
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC32    *  85771  21504      .3      .3      .3      .4      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC33    *  85781  21504      .3      .3      .3      .4      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC34    *  85791  21504      .3      .3      .3      .4      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC35    *  85801  21504      .3      .3      .3      .3      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC36    *  85811  21504      .3      .3      .3      .3      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC37    *  85821  21504      .3      .3      .3      .3      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC38    *  85831  21504      .3      .3      .3      .2      .0      .0      .0
 .0      .0      .0      .0      .0      .0      .2      .2      .2
REC39    *  85771  21514      .4      .4      .5      .7      .2      .0      .0
 .0      .0      .0      .0      .0      .1      .3      .3      .3
REC40    *  85781  21514      .4      .4      .5      .7      .2      .0      .0
 .0      .0      .0      .0      .0      .1      .3      .3      .4
REC41    *  85791  21514      .4      .4      .5      .6      .2      .0      .0
 .0      .0      .0      .0      .0      .1      .3      .3      .3
REC42    *  85801  21514      .4      .4      .5      .6      .1      .0      .0
 .0      .0      .0      .0      .0      .1      .3      .3      .3
REC43    *  85811  21514      .4      .4      .5      .6      .1      .0      .0
 .0      .0      .0      .0      .0      .2      .3      .3      .3
REC44    *  85821  21514      .4      .4      .5      .6      .0      .0      .0
 .0      .0      .0      .0      .0      .2      .3      .3      .3
REC45    *  85831  21514      .4      .4      .5      .6      .0      .0      .0
 .0      .0      .0      .0      .0      .2      .3      .3      .3
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
85751.0 21484.0 1.5
85761.0 21484.0 1.5
85771.0 21484.0 1.5
85781.0 21484.0 1.5
85791.0 21484.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
0.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=    .0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85751  21464   1.5
 2. REC2     *  85761  21464   1.5
 3. REC3     *  85771  21464   1.5
 4. REC4     *  85781  21464   1.5
 5. REC5     *  85791  21464   1.5
 6. REC6     *  85801  21464   1.5
 7. REC7     *  85811  21464   1.5
 8. REC8     *  85751  21474   1.5
 9. REC9     *  85761  21474   1.5
10. REC10    *  85771  21474   1.5
11. REC11    *  85781  21474   1.5
12. REC12    *  85791  21474   1.5
13. REC13    *  85801  21474   1.5
```

```
14. REC14     *  85811  21474   1.5
15. REC15     *  85821  21474   1.5
16. REC16     *  85751  21484   1.5
17. REC17     *  85761  21484   1.5
18. REC18     *  85771  21484   1.5
19. REC19     *  85781  21484   1.5
20. REC20     *  85791  21484   1.5
```

```
                 CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                          JUNE 1989 VERSION
                          PAGE   2

                     JOB: Existing (x10)
                     RUN: Hour 1
               POLLUTANT: Carbon Monoxide


   IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

               * PRED  * CONC/LINK
               * CONC  *   (PPM)
   RECEPTOR    * (PPM) *   A    B
 -------------*-------*----------
  1. REC1      *    .1 *   .1   .0
  2. REC2      *    .1 *   .1   .0
  3. REC3      *    .1 *   .0   .0
  4. REC4      *    .1 *   .0   .1
  5. REC5      *    .1 *   .0   .1
  6. REC6      *    .1 *   .0   .1
  7. REC7      *    .1 *   .0   .1
  8. REC8      *    .2 *   .2   .0
  9. REC9      *    .2 *   .2   .0
 10. REC10     *    .2 *   .0   .0
 11. REC11     *    .2 *   .0   .1
 12. REC12     *    .2 *   .0   .2
 13. REC13     *    .2 *   .0   .2
 14. REC14     *    .2 *   .0   .2
 15. REC15     *    .2 *   .0   .2
 16. REC16     *    .2 *   .2   .0
 17. REC17     *    .2 *   .2   .0
 18. REC18     *    .2 *   .1   .0
 19. REC19     *    .2 *   .0   .2
 20. REC20     *    .2 *   .0   .2
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
0.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
      BRG=    .0 DEGREES         VD=   .0 CM/S
     CLAS=     7 (G)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *               EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .2 *   .0   .2
 2. REC22    *    .2 *   .0   .2
 3. REC23    *    .2 *   .0   .2
 4. REC24    *    .2 *   .2   .0
 5. REC25    *    .2 *   .1   .0
 6. REC26    *    .2 *   .0   .2
 7. REC27    *    .2 *   .0   .2
 8. REC28    *    .2 *   .0   .2
 9. REC29    *    .2 *   .0   .2
10. REC30    *    .2 *   .0   .2
11. REC31    *    .2 *   .0   .2
12. REC32    *    .3 *   .2   .1
13. REC33    *    .3 *   .0   .3
14. REC34    *    .3 *   .0   .3
15. REC35    *    .3 *   .0   .3
16. REC36    *    .3 *   .0   .3
17. REC37    *    .3 *   .0   .3
18. REC38    *    .3 *   .0   .3
19. REC39    *    .4 *   .3   .1
20. REC40    *    .4 *   .0   .4
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
0.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=    .0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .4 *   .0   .4
2. REC42    *    .4 *   .0   .4
3. REC43    *    .4 *   .0   .4
4. REC44    *    .4 *   .0   .4
5. REC45    *    .4 *   .0   .4
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
112.5 2.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.4 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 112.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Existing (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .0 *   .0   .0
 2. REC2     *    .0 *   .0   .0
 3. REC3     *    .0 *   .0   .0
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
112.5 2.40 7 1000.0 10.0 0.0 18.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   1

              JOB: Existing (x10)
              RUN: Hour 1
       POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   2.4 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 112.5 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .0 *   .0   .0
20. REC40    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
112.5 2.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.4 M/S             Z0= 100. CM             ALT=     0. (M)
        BRG= 112.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .0 *   .0   .0
2. REC42    *    .0 *   .0   .0
3. REC43    *    .0 *   .0   .0
4. REC44    *    .0 *   .0   .0
5. REC45    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
135.0 2.70 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.7 M/S             Z0= 100. CM             ALT=     0. (M)
        BRG= 135.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Existing (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .0 *   .0   .0
 2. REC2     *    .0 *   .0   .0
 3. REC3     *    .0 *   .0   .0
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
135.0 2.70 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   2.7 M/S            Z0= 100. CM            ALT=     0. (M)
      BRG= 135.0 DEGREES        VD=   .0 CM/S
     CLAS=     7 (G)            VS=   .0 CM/S
     MIXH= 1000. M             AMB=   .0 PPM
    SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .0 *   .0   .0
20. REC40    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
135.0 2.70 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.7 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 135.0 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*----------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41     *    .0 *   .0   .0
2. REC42     *    .0 *   .0   .0
3. REC43     *    .0 *   .0   .0
4. REC44     *    .0 *   .0   .0
5. REC45     *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
157.5 3.70 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.7 M/S              Z0= 100. CM             ALT=     0. (M)
        BRG= 157.5 DEGREES          VD=   .0 CM/S
       CLAS=     6 (F)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)    *              EF     H     W
    DESCRIPTION   *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 -----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*----------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14     *  85761  21474   1.5
15. REC15     *  85771  21474   1.5
16. REC16     *  85781  21474   1.5
17. REC17     *  85791  21474   1.5
18. REC18     *  85801  21474   1.5
19. REC19     *  85811  21474   1.5
20. REC20     *  85821  21474   1.5
```

```
□




           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .0 *   .0   .0
 2. REC2     *    .0 *   .0   .0
 3. REC3     *    .0 *   .0   .0
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
157.5 3.70 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.7 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 157.5 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .0 *   .0   .0
20. REC40    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
157.5 3.70 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.7 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 157.5 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .0 *   .0   .0
2. REC42    *    .0 *   .0   .0
3. REC43    *    .0 *   .0   .0
4. REC44    *    .0 *   .0   .0
5. REC45    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
180.0 3.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.4 M/S             Z0= 100. CM             ALT=     0. (M)
        BRG= 180.0 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .0 *   .0   .0
 2. REC2     *    .0 *   .0   .0
 3. REC3     *    .0 *   .0   .0
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
180.0 3.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.4 M/S             Z0= 100. CM            ALT=      0. (M)
        BRG= 180.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
   RECEPTOR *    X      Y      Z
 -----------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .0 *   .0   .0
20. REC40    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
180.0 3.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.4 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 180.0 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *     X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41     *     .0 *   .0   .0
2. REC42     *     .0 *   .0   .0
3. REC43     *     .0 *   .0   .0
4. REC44     *     .0 *   .0   .0
5. REC45     *     .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
202.5 3.30 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.3 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 202.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14     *  85761  21474   1.5
15. REC15     *  85771  21474   1.5
16. REC16     *  85781  21474   1.5
17. REC17     *  85791  21474   1.5
18. REC18     *  85801  21474   1.5
19. REC19     *  85811  21474   1.5
20. REC20     *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .0 *   .0   .0
 2. REC2     *    .0 *   .0   .0
 3. REC3     *    .0 *   .0   .0
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
202.5 3.30 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.3 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 202.5 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Existing (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .0 *   .0   .0
20. REC40    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
202.5 3.30 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.3 M/S              Z0= 100. CM             ALT=      0. (M)
        BRG= 202.5 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .0 *   .0   .0
2. REC42    *    .0 *   .0   .0
3. REC43    *    .0 *   .0   .0
4. REC44    *    .0 *   .0   .0
5. REC45    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
22.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   1.8 M/S              Z0= 100. CM            ALT=     0. (M)
       BRG=  22.5 DEGREES          VD=   .0 CM/S
      CLAS=     7 (G)              VS=   .0 CM/S
      MIXH= 1000. M               AMB=   .0 PPM
     SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)    *                EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*--------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .4 *   .0   .4
 2. REC2     *    .4 *   .0   .4
 3. REC3     *    .4 *   .0   .4
 4. REC4     *    .4 *   .0   .4
 5. REC5     *    .4 *   .0   .4
 6. REC6     *    .2 *   .0   .1
 7. REC7     *    .2 *   .0   .1
 8. REC8     *    .2 *   .0   .2
 9. REC9     *    .2 *   .0   .2
10. REC10    *    .2 *   .0   .2
11. REC11    *    .2 *   .0   .2
12. REC12    *    .2 *   .0   .2
13. REC13    *    .2 *   .0   .0
14. REC14    *    .2 *   .0   .2
15. REC15    *    .2 *   .0   .2
16. REC16    *    .2 *   .0   .2
17. REC17    *    .2 *   .0   .2
18. REC18    *    .2 *   .0   .2
19. REC19    *    .2 *   .0   .2
20. REC20    *    .2 *   .0   .2
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
22.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG=  22.5 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1    * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1    * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
   RECEPTOR *    X      Y      Z
 -----------*--------------------
 1. REC21   *  85801  21484   1.5
 2. REC22   *  85811  21484   1.5
 3. REC23   *  85821  21484   1.5
 4. REC24   *  85761  21494   1.5
 5. REC25   *  85771  21494   1.5
 6. REC26   *  85781  21494   1.5
 7. REC27   *  85791  21494   1.5
 8. REC28   *  85801  21494   1.5
 9. REC29   *  85811  21494   1.5
10. REC30   *  85821  21494   1.5
11. REC31   *  85831  21494   1.5
12. REC32   *  85771  21504   1.5
13. REC33   *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```


           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .2 *   .0   .2
 2. REC22    *    .2 *   .0   .2
 3. REC23    *    .2 *   .0   .2
 4. REC24    *    .2 *   .0   .1
 5. REC25    *    .2 *   .0   .2
 6. REC26    *    .2 *   .0   .2
 7. REC27    *    .2 *   .0   .2
 8. REC28    *    .2 *   .0   .2
 9. REC29    *    .2 *   .0   .2
10. REC30    *    .2 *   .0   .2
11. REC31    *    .2 *   .0   .2
12. REC32    *    .3 *   .0   .3
13. REC33    *    .3 *   .0   .3
14. REC34    *    .3 *   .0   .3
15. REC35    *    .3 *   .0   .3
16. REC36    *    .3 *   .0   .3
17. REC37    *    .3 *   .0   .3
18. REC38    *    .3 *   .0   .3
19. REC39    *    .4 *   .0   .4
20. REC40    *    .4 *   .0   .4
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
22.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
      BRG=  22.5 DEGREES         VD=   .0 CM/S
     CLAS=     7 (G)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *               EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41     *     .4 *   .0   .4
2. REC42     *     .4 *   .0   .4
3. REC43     *     .4 *   .0   .4
4. REC44     *     .4 *   .0   .4
5. REC45     *     .4 *   .0   .4
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
225.0 3.60 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   3.6 M/S            Z0= 100. CM           ALT=     0. (M)
      BRG= 225.0 DEGREES        VD=   .0 CM/S
     CLAS=     6 (F)            VS=   .0 CM/S
     MIXH= 1000. M             AMB=   .0 PPM
    SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .0 *   .0   .0
 2. REC2     *    .0 *   .0   .0
 3. REC3     *    .0 *   .0   .0
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
225.0 3.60 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.6 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG= 225.0 DEGREES          VD=   .0 CM/S
       CLAS=     6 (F)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .0 *   .0   .0
20. REC40    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
225.0 3.60 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.6 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 225.0 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .0 *   .0   .0
2. REC42    *    .0 *   .0   .0
3. REC43    *    .0 *   .0   .0
4. REC44    *    .0 *   .0   .0
5. REC45    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
247.5 3.50 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.5 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 247.5 DEGREES         VD=   .0 CM/S
      CLAS=     6 (F)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14     *  85761  21474   1.5
15. REC15     *  85771  21474   1.5
16. REC16     *  85781  21474   1.5
17. REC17     *  85791  21474   1.5
18. REC18     *  85801  21474   1.5
19. REC19     *  85811  21474   1.5
20. REC20     *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .0 *   .0   .0
 2. REC2     *    .0 *   .0   .0
 3. REC3     *    .0 *   .0   .0
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
247.5 3.50 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.5 M/S            Z0= 100. CM            ALT=     0. (M)
       BRG= 247.5 DEGREES        VD=   .0 CM/S
      CLAS=     6 (F)            VS=   .0 CM/S
      MIXH= 1000. M             AMB=   .0 PPM
     SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
   RECEPTOR *    X      Y      Z
 -----------*---------------------
 1. REC21   *  85801  21484   1.5
 2. REC22   *  85811  21484   1.5
 3. REC23   *  85821  21484   1.5
 4. REC24   *  85761  21494   1.5
 5. REC25   *  85771  21494   1.5
 6. REC26   *  85781  21494   1.5
 7. REC27   *  85791  21494   1.5
 8. REC28   *  85801  21494   1.5
 9. REC29   *  85811  21494   1.5
10. REC30   *  85821  21494   1.5
11. REC31   *  85831  21494   1.5
12. REC32   *  85771  21504   1.5
13. REC33   *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .0 *   .0   .0
20. REC40    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
247.5 3.50 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.5 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 247.5 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .0 *   .0   .0
2. REC42    *    .0 *   .0   .0
3. REC43    *    .0 *   .0   .0
4. REC44    *    .0 *   .0   .0
5. REC45    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
270.0 3.80 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 270.0 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*----------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14     *  85761  21474   1.5
15. REC15     *  85771  21474   1.5
16. REC16     *  85781  21474   1.5
17. REC17     *  85791  21474   1.5
18. REC18     *  85801  21474   1.5
19. REC19     *  85811  21474   1.5
20. REC20     *  85821  21474   1.5
```

```
□








             CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                      JUNE 1989 VERSION
                      PAGE   2

                 JOB: Existing (x10)
                 RUN: Hour 1
           POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

               * PRED  * CONC/LINK
               * CONC  *   (PPM)
  RECEPTOR     * (PPM) *   A    B
-------------*-------*----------
 1. REC1      *    .1 *   .1   .0
 2. REC2      *    .1 *   .1   .0
 3. REC3      *    .2 *   .1   .0
 4. REC4      *    .2 *   .1   .0
 5. REC5      *    .2 *   .1   .0
 6. REC6      *    .0 *   .0   .0
 7. REC7      *    .0 *   .0   .0
 8. REC8      *    .0 *   .0   .0
 9. REC9      *    .0 *   .0   .0
10. REC10     *    .0 *   .0   .0
11. REC11     *    .0 *   .0   .0
12. REC12     *    .0 *   .0   .0
13. REC13     *    .0 *   .0   .0
14. REC14     *    .0 *   .0   .0
15. REC15     *    .0 *   .0   .0
16. REC16     *    .0 *   .0   .0
17. REC17     *    .0 *   .0   .0
18. REC18     *    .0 *   .0   .0
19. REC19     *    .0 *   .0   .0
20. REC20     *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
270.0 3.80 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

                JOB: Existing (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   3.8 M/S             Z0= 100. CM            ALT=     0. (M)
      BRG= 270.0 DEGREES         VD=   .0 CM/S
     CLAS=     6 (F)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *               EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .1 *   .1   .0
20. REC40    *    .1 *   .1   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
270.0 3.80 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 270.0 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .1 *   .1   .0
2. REC42    *    .1 *   .1   .0
3. REC43    *    .2 *   .1   .0
4. REC44    *    .2 *   .1   .0
5. REC45    *    .2 *   .1   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
292.5 3.99 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   4.0 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 292.5 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Existing (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .3 *   .2   .1
 2. REC2     *    .3 *   .1   .2
 3. REC3     *    .3 *   .0   .3
 4. REC4     *    .3 *   .0   .3
 5. REC5     *    .3 *   .0   .3
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
292.5 3.99 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   4.0 M/S             Z0= 100. CM            ALT=     0. (M)
      BRG= 292.5 DEGREES         VD=   .0 CM/S
     CLAS=     6 (F)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK       *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1    * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1    * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
  RECEPTOR  *    X      Y      Z
 -----------*--------------------
 1. REC21   *  85801  21484   1.5
 2. REC22   *  85811  21484   1.5
 3. REC23   *  85821  21484   1.5
 4. REC24   *  85761  21494   1.5
 5. REC25   *  85771  21494   1.5
 6. REC26   *  85781  21494   1.5
 7. REC27   *  85791  21494   1.5
 8. REC28   *  85801  21494   1.5
 9. REC29   *  85811  21494   1.5
10. REC30   *  85821  21494   1.5
11. REC31   *  85831  21494   1.5
12. REC32   *  85771  21504   1.5
13. REC33   *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
□




              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Existing (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .1 *   .1   .0
 2. REC22    *    .1 *   .1   .0
 3. REC23    *    .1 *   .1   .0
 4. REC24    *    .1 *   .1   .0
 5. REC25    *    .1 *   .1   .0
 6. REC26    *    .1 *   .1   .0
 7. REC27    *    .1 *   .1   .0
 8. REC28    *    .1 *   .1   .0
 9. REC29    *    .1 *   .1   .0
10. REC30    *    .1 *   .1   .0
11. REC31    *    .2 *   .1   .0
12. REC32    *    .2 *   .2   .0
13. REC33    *    .2 *   .2   .0
14. REC34    *    .2 *   .2   .0
15. REC35    *    .2 *   .2   .0
16. REC36    *    .2 *   .1   .0
17. REC37    *    .2 *   .1   .1
18. REC38    *    .2 *   .0   .1
19. REC39    *    .3 *   .3   .0
20. REC40    *    .3 *   .3   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
292.5 3.99 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   4.0 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG= 292.5 DEGREES          VD=   .0 CM/S
       CLAS=     6 (F)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH   (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41     *     .3 *   .2   .1
2. REC42     *     .3 *   .1   .2
3. REC43     *     .3 *   .0   .3
4. REC44     *     .3 *   .0   .3
5. REC45     *     .3 *   .0   .3
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
315.0 3.10 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.1 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG= 315.0 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14     *  85761  21474   1.5
15. REC15     *  85771  21474   1.5
16. REC16     *  85781  21474   1.5
17. REC17     *  85791  21474   1.5
18. REC18     *  85801  21474   1.5
19. REC19     *  85811  21474   1.5
20. REC20     *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .3 *   .0   .3
 2. REC2     *    .3 *   .0   .3
 3. REC3     *    .3 *   .0   .3
 4. REC4     *    .3 *   .0   .3
 5. REC5     *    .3 *   .0   .3
 6. REC6     *    .1 *   .1   .0
 7. REC7     *    .1 *   .1   .0
 8. REC8     *    .1 *   .1   .0
 9. REC9     *    .1 *   .1   .0
10. REC10    *    .1 *   .1   .0
11. REC11    *    .1 *   .1   .0
12. REC12    *    .1 *   .1   .0
13. REC13    *    .1 *   .1   .0
14. REC14    *    .1 *   .1   .0
15. REC15    *    .1 *   .1   .0
16. REC16    *    .1 *   .1   .0
17. REC17    *    .1 *   .1   .0
18. REC18    *    .1 *   .1   .0
19. REC19    *    .1 *   .1   .0
20. REC20    *    .1 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
315.0 3.10 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.1 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 315.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .1 *   .1   .0
 2. REC22    *    .2 *   .0   .0
 3. REC23    *    .2 *   .0   .1
 4. REC24    *    .2 *   .2   .0
 5. REC25    *    .2 *   .2   .0
 6. REC26    *    .2 *   .2   .0
 7. REC27    *    .2 *   .2   .0
 8. REC28    *    .2 *   .0   .0
 9. REC29    *    .2 *   .0   .1
10. REC30    *    .2 *   .0   .2
11. REC31    *    .2 *   .0   .2
12. REC32    *    .2 *   .2   .0
13. REC33    *    .2 *   .2   .0
14. REC34    *    .2 *   .1   .1
15. REC35    *    .2 *   .0   .2
16. REC36    *    .2 *   .0   .2
17. REC37    *    .2 *   .0   .2
18. REC38    *    .2 *   .0   .2
19. REC39    *    .3 *   .3   .0
20. REC40    *    .3 *   .2   .1
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
315.0 3.10 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   3.1 M/S             Z0= 100. CM            ALT=     0. (M)
      BRG= 315.0 DEGREES         VD=   .0 CM/S
     CLAS=     7 (G)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*-----------------------------
-
 A. LINK A-1    * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1    * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
   RECEPTOR *    X      Y      Z
 -----------*--------------------
 1. REC41   *  85791  21514   1.5
 2. REC42   *  85801  21514   1.5
 3. REC43   *  85811  21514   1.5
 4. REC44   *  85821  21514   1.5
 5. REC45   *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

            * PRED  * CONC/LINK
            * CONC  *   (PPM)
  RECEPTOR  * (PPM) *   A    B
------------*-------*----------
```

```
1. REC41     *     .3 *    .0    .3
2. REC42     *     .3 *    .0    .3
3. REC43     *     .3 *    .0    .3
4. REC44     *     .3 *    .0    .3
5. REC45     *     .3 *    .0    .3
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
337.5 2.20 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   2.2 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 337.5 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH   (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1    * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1    * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .3 *   .0   .3
 2. REC2     *    .3 *   .0   .3
 3. REC3     *    .3 *   .0   .3
 4. REC4     *    .3 *   .0   .3
 5. REC5     *    .3 *   .0   .3
 6. REC6     *    .1 *   .1   .0
 7. REC7     *    .1 *   .1   .0
 8. REC8     *    .1 *   .1   .0
 9. REC9     *    .1 *   .1   .0
10. REC10    *    .1 *   .0   .0
11. REC11    *    .1 *   .0   .0
12. REC12    *    .1 *   .0   .1
13. REC13    *    .1 *   .1   .0
14. REC14    *    .1 *   .1   .0
15. REC15    *    .1 *   .1   .0
16. REC16    *    .1 *   .1   .0
17. REC17    *    .1 *   .0   .0
18. REC18    *    .1 *   .0   .1
19. REC19    *    .1 *   .0   .1
20. REC20    *    .1 *   .0   .1
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
337.5 2.20 7 1000.0 10.0 0.0 18.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   1

              JOB: Existing (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  I.  SITE VARIABLES

        U=   2.2 M/S             Z0= 100. CM             ALT=     0. (M)
      BRG= 337.5 DEGREES         VD=   .0 CM/S
     CLAS=     7 (G)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


 II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *               EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .2 *   .0   .1
 2. REC22    *    .2 *   .0   .2
 3. REC23    *    .2 *   .0   .2
 4. REC24    *    .2 *   .2   .0
 5. REC25    *    .2 *   .2   .0
 6. REC26    *    .2 *   .1   .0
 7. REC27    *    .2 *   .0   .2
 8. REC28    *    .2 *   .0   .2
 9. REC29    *    .2 *   .0   .2
10. REC30    *    .2 *   .0   .2
11. REC31    *    .2 *   .0   .2
12. REC32    *    .2 *   .2   .0
13. REC33    *    .2 *   .1   .1
14. REC34    *    .2 *   .0   .2
15. REC35    *    .2 *   .0   .2
16. REC36    *    .2 *   .0   .2
17. REC37    *    .2 *   .0   .2
18. REC38    *    .2 *   .0   .2
19. REC39    *    .3 *   .3   .0
20. REC40    *    .4 *   .0   .3
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
337.5 2.20 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   2.2 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 337.5 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *              EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
 1. REC41     *     .3 *   .0    .3
 2. REC42     *     .3 *   .0    .3
 3. REC43     *     .3 *   .0    .3
 4. REC44     *     .3 *   .0    .3
 5. REC45     *     .3 *   .0    .3
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
45.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
          POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG=  45.0 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *              EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*--------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .5 *   .0   .5
 2. REC2     *    .5 *   .0   .5
 3. REC3     *    .5 *   .0   .5
 4. REC4     *    .5 *   .0   .5
 5. REC5     *    .5 *   .0   .5
 6. REC6     *    .2 *   .0   .2
 7. REC7     *    .2 *   .0   .2
 8. REC8     *    .2 *   .0   .2
 9. REC9     *    .2 *   .0   .2
10. REC10    *    .2 *   .0   .2
11. REC11    *    .2 *   .0   .2
12. REC12    *    .1 *   .0   .1
13. REC13    *    .2 *   .0   .2
14. REC14    *    .2 *   .0   .2
15. REC15    *    .2 *   .0   .2
16. REC16    *    .2 *   .0   .2
17. REC17    *    .2 *   .0   .2
18. REC18    *    .2 *   .0   .2
19. REC19    *    .2 *   .0   .2
20. REC20    *    .1 *   .0   .1
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
45.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
      BRG=  45.0 DEGREES         VD=   .0 CM/S
     CLAS=     7 (G)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34     *  85791  21504   1.5
15. REC35     *  85801  21504   1.5
16. REC36     *  85811  21504   1.5
17. REC37     *  85821  21504   1.5
18. REC38     *  85831  21504   1.5
19. REC39     *  85771  21514   1.5
20. REC40     *  85781  21514   1.5
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Existing (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .2 *   .0   .2
 2. REC22    *    .2 *   .0   .2
 3. REC23    *    .2 *   .0   .2
 4. REC24    *    .3 *   .0   .3
 5. REC25    *    .3 *   .0   .3
 6. REC26    *    .3 *   .0   .3
 7. REC27    *    .3 *   .0   .3
 8. REC28    *    .3 *   .0   .3
 9. REC29    *    .3 *   .0   .3
10. REC30    *    .3 *   .0   .3
11. REC31    *    .3 *   .0   .3
12. REC32    *    .3 *   .0   .3
13. REC33    *    .3 *   .0   .3
14. REC34    *    .3 *   .0   .3
15. REC35    *    .3 *   .0   .3
16. REC36    *    .3 *   .0   .3
17. REC37    *    .3 *   .0   .3
18. REC38    *    .3 *   .0   .3
19. REC39    *    .5 *   .0   .5
20. REC40    *    .5 *   .0   .5
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
45.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG=  45.0 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41     *   .5 *   .0   .5
2. REC42     *   .5 *   .0   .5
3. REC43     *   .5 *   .0   .5
4. REC44     *   .5 *   .0   .5
5. REC45     *   .5 *   .0   .5
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
67.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG=  67.5 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *              EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .6 *   .0   .6
 2. REC2     *    .6 *   .0   .6
 3. REC3     *    .6 *   .0   .6
 4. REC4     *    .6 *   .0   .6
 5. REC5     *    .6 *   .0   .6
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .1 *   .0   .1
14. REC14    *    .1 *   .0   .1
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
67.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG=  67.5 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
   RECEPTOR *    X      Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Existing (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .3 *   .0   .3
 5. REC25    *    .3 *   .0   .3
 6. REC26    *    .2 *   .0   .2
 7. REC27    *    .2 *   .0   .2
 8. REC28    *    .2 *   .0   .2
 9. REC29    *    .1 *   .0   .1
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .4 *   .0   .4
13. REC33    *    .4 *   .0   .4
14. REC34    *    .4 *   .0   .4
15. REC35    *    .3 *   .0   .3
16. REC36    *    .3 *   .0   .3
17. REC37    *    .3 *   .0   .3
18. REC38    *    .2 *   .0   .2
19. REC39    *    .7 *   .0   .7
20. REC40    *    .7 *   .0   .7
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
67.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S              Z0= 100. CM             ALT=     0. (M)
        BRG=  67.5 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
   RECEPTOR *    X      Y      Z
 -----------*---------------------
 1. REC41   *  85791  21514   1.5
 2. REC42   *  85801  21514   1.5
 3. REC43   *  85811  21514   1.5
 4. REC44   *  85821  21514   1.5
 5. REC45   *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
```

```
1. REC41    *    .6 *   .0   .6
2. REC42    *    .6 *   .0   .6
3. REC43    *    .6 *   .0   .6
4. REC44    *    .6 *   .0   .6
5. REC45    *    .6 *   .0   .6
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
90.0 2.00 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   2.0 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG=  90.0 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1    * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1    * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
  RECEPTOR  *    X       Y      Z
 -----------*---------------------
 1. REC1    *  85791  21514   1.5
 2. REC2    *  85801  21514   1.5
 3. REC3    *  85811  21514   1.5
 4. REC4    *  85821  21514   1.5
 5. REC5    *  85831  21514   1.5
 6. REC6    *  85751  21464   1.5
 7. REC7    *  85761  21464   1.5
 8. REC8    *  85771  21464   1.5
 9. REC9    *  85781  21464   1.5
10. REC10   *  85791  21464   1.5
11. REC11   *  85801  21464   1.5
12. REC12   *  85811  21464   1.5
13. REC13   *  85751  21474   1.5
```

```
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC1     *    .2 *   .0   .2
 2. REC2     *    .1 *   .0   .1
 3. REC3     *    .1 *   .0   .1
 4. REC4     *    .0 *   .0   .0
 5. REC5     *    .0 *   .0   .0
 6. REC6     *    .0 *   .0   .0
 7. REC7     *    .0 *   .0   .0
 8. REC8     *    .0 *   .0   .0
 9. REC9     *    .0 *   .0   .0
10. REC10    *    .0 *   .0   .0
11. REC11    *    .0 *   .0   .0
12. REC12    *    .0 *   .0   .0
13. REC13    *    .0 *   .0   .0
14. REC14    *    .0 *   .0   .0
15. REC15    *    .0 *   .0   .0
16. REC16    *    .0 *   .0   .0
17. REC17    *    .0 *   .0   .0
18. REC18    *    .0 *   .0   .0
19. REC19    *    .0 *   .0   .0
20. REC20    *    .0 *   .0   .0
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 2 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
90.0 2.00 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   2.0 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG=  90.0 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1    * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1    * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
```

```
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   2

              JOB: Existing (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  * CONC/LINK
             * CONC  *   (PPM)
  RECEPTOR   * (PPM) *   A    B
-------------*-------*----------
 1. REC21    *    .0 *   .0   .0
 2. REC22    *    .0 *   .0   .0
 3. REC23    *    .0 *   .0   .0
 4. REC24    *    .0 *   .0   .0
 5. REC25    *    .0 *   .0   .0
 6. REC26    *    .0 *   .0   .0
 7. REC27    *    .0 *   .0   .0
 8. REC28    *    .0 *   .0   .0
 9. REC29    *    .0 *   .0   .0
10. REC30    *    .0 *   .0   .0
11. REC31    *    .0 *   .0   .0
12. REC32    *    .0 *   .0   .0
13. REC33    *    .0 *   .0   .0
14. REC34    *    .0 *   .0   .0
15. REC35    *    .0 *   .0   .0
16. REC36    *    .0 *   .0   .0
17. REC37    *    .0 *   .0   .0
18. REC38    *    .0 *   .0   .0
19. REC39    *    .2 *   .0   .2
20. REC40    *    .2 *   .0   .2
```

```
Existing (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 2 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
1 85666.2 21524.0 85771.8 21524.4 0.0 10.0 0.0 0.0 0
1 85771.8 21523.9 85878.9 21524.7 0.0 10.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0
19.600 19.600
90.0 2.00 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Existing (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.0 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=  90.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85772 21524 *  AG   1000  19.6     .0
10.0
 B. LINK B-1     * 85772 21524 85879 21525 *  AG   1000  19.6     .0
10.0


 III.  RECEPTOR LOCATIONS

            *    COORDINATES (M)
   RECEPTOR *    X      Y      Z
 -----------*---------------------
 1. REC41   *  85791  21514   1.5
 2. REC42   *  85801  21514   1.5
 3. REC43   *  85811  21514   1.5
 4. REC44   *  85821  21514   1.5
 5. REC45   *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

            * PRED  * CONC/LINK
            * CONC  *   (PPM)
  RECEPTOR  * (PPM) *   A    B
------------*-------*----------
```

```
1. REC41    *    .2 *    .0   .2
2. REC42    *    .1 *    .0   .1
3. REC43    *    .1 *    .0   .1
4. REC44    *    .0 *    .0   .0
5. REC45    *    .0 *    .0   .0
```

ATTACHMENT 3

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
85751.0 21484.0 1.5
85761.0 21484.0 1.5
85771.0 21484.0 1.5
85781.0 21484.0 1.5
85791.0 21484.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
0.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=    .0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK       *  LINK COORDINATES (M)   *                EF     H     W
    DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC1     *  85751  21464   1.5
  2. REC2     *  85761  21464   1.5
  3. REC3     *  85771  21464   1.5
  4. REC4     *  85781  21464   1.5
  5. REC5     *  85791  21464   1.5
  6. REC6     *  85801  21464   1.5
  7. REC7     *  85811  21464   1.5
  8. REC8     *  85751  21474   1.5
  9. REC9     *  85761  21474   1.5
 10. REC10    *  85771  21474   1.5
 11. REC11    *  85781  21474   1.5
 12. REC12    *  85791  21474   1.5
 13. REC13    *  85801  21474   1.5
 14. REC14    *  85811  21474   1.5
 15. REC15    *  85821  21474   1.5
 16. REC16    *  85751  21484   1.5
 17. REC17    *  85761  21484   1.5
 18. REC18    *  85771  21484   1.5
 19. REC19    *  85781  21484   1.5
 20. REC20    *  85791  21484   1.5
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   3

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*-------------------------------------------------
  1. REC1      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                    CONC/LINK
             *                      (PPM)
 RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
-------------*---------------------------------------------------
 1. REC1     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
0.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=    .0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  III.  RECEPTOR LOCATIONS

               *    COORDINATES (M)
    RECEPTOR   *    X      Y      Z
  -------------*---------------------
   1. REC21    *  85801  21484   1.5
   2. REC22    *  85811  21484   1.5
   3. REC23    *  85821  21484   1.5
   4. REC24    *  85761  21494   1.5
   5. REC25    *  85771  21494   1.5
   6. REC26    *  85781  21494   1.5
   7. REC27    *  85791  21494   1.5
   8. REC28    *  85801  21494   1.5
   9. REC29    *  85811  21494   1.5
  10. REC30    *  85821  21494   1.5
  11. REC31    *  85831  21494   1.5
  12. REC32    *  85771  21504   1.5
  13. REC33    *  85781  21504   1.5
  14. REC34    *  85791  21504   1.5
  15. REC35    *  85801  21504   1.5
  16. REC36    *  85811  21504   1.5
  17. REC37    *  85821  21504   1.5
  18. REC38    *  85831  21504   1.5
  19. REC39    *  85771  21514   1.5
  20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                   CONC/LINK
            *                     (PPM)
  RECEPTOR  *   K    L    M    N    O    P    Q    R    S    T
 -----------*--------------------------------------------------
  1. REC21  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40  *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
0.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=    .0 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H      W
    DESCRIPTION  *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *     X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
 1. REC41    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
 1. REC41    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
112.5 2.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.4 M/S             Z0= 100. CM             ALT=     0. (M)
        BRG= 112.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
□




           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC1    *  85791  21514   1.5
  2. REC2    *  85801  21514   1.5
  3. REC3    *  85811  21514   1.5
  4. REC4    *  85821  21514   1.5
  5. REC5    *  85831  21514   1.5
  6. REC6    *  85751  21464   1.5
  7. REC7    *  85761  21464   1.5
  8. REC8    *  85771  21464   1.5
  9. REC9    *  85781  21464   1.5
 10. REC10   *  85791  21464   1.5
 11. REC11   *  85801  21464   1.5
 12. REC12   *  85811  21464   1.5
 13. REC13   *  85751  21474   1.5
 14. REC14   *  85761  21474   1.5
 15. REC15   *  85771  21474   1.5
 16. REC16   *  85781  21474   1.5
 17. REC17   *  85791  21474   1.5
 18. REC18   *  85801  21474   1.5
 19. REC19   *  85811  21474   1.5
 20. REC20   *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .4 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 7. REC7     *    .4 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 8. REC8     *    .4 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .1
 9. REC9     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .1
10. REC10    *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                     CONC/LINK
             *                       (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
112.5 2.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.4 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 112.5 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                    CONC/LINK
              *                      (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC21    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
112.5 2.40 7 1000.0 10.0 0.0 18.0
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   1

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
         POLLUTANT: Carbon Monoxide


    I.  SITE VARIABLES

          U=   2.4 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 112.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


   II.  LINK VARIABLES

       LINK       *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 -----------------*-------------------------*-----------------------------
-
 A. LINK A-1      * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1      * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1      * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1      * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1      * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1      * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1      * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1      * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1      * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1      * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1      * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1      * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*-------------------------------------------------
 1. REC41    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *  K    L    M    N    O    P    Q    R    S    T
 ------------*-------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
135.0 2.70 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.7 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG= 135.0 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC1     *  85791  21514   1.5
  2. REC2     *  85801  21514   1.5
  3. REC3     *  85811  21514   1.5
  4. REC4     *  85821  21514   1.5
  5. REC5     *  85831  21514   1.5
  6. REC6     *  85751  21464   1.5
  7. REC7     *  85761  21464   1.5
  8. REC8     *  85771  21464   1.5
  9. REC9     *  85781  21464   1.5
 10. REC10    *  85791  21464   1.5
 11. REC11    *  85801  21464   1.5
 12. REC12    *  85811  21464   1.5
 13. REC13    *  85751  21474   1.5
 14. REC14    *  85761  21474   1.5
 15. REC15    *  85771  21474   1.5
 16. REC16    *  85781  21474   1.5
 17. REC17    *  85791  21474   1.5
 18. REC18    *  85801  21474   1.5
 19. REC19    *  85811  21474   1.5
 20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

              * PRED  *                    CONC/LINK
              * CONC  *                      (PPM)
  RECEPTOR    * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5      *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6      *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 7. REC7      *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 8. REC8      *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 9. REC9      *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
10. REC10     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .1
11. REC11     *    .4 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .2
12. REC12     *    .4 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .1
13. REC13     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
14. REC14     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
15. REC15     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
16. REC16     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
17. REC17     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .1
18. REC18     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .1
19. REC19     *    .3 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                    CONC/LINK
            *                      (PPM)
  RECEPTOR  *   K    L    M    N    O    P    Q    R    S    T
 -----------*--------------------------------------------------
 1. REC1    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19   *  .1   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
135.0 2.70 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.7 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 135.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK       *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   2

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
 1. REC21     *  85801  21484   1.5
 2. REC22     *  85811  21484   1.5
 3. REC23     *  85821  21484   1.5
 4. REC24     *  85761  21494   1.5
 5. REC25     *  85771  21494   1.5
 6. REC26     *  85781  21494   1.5
 7. REC27     *  85791  21494   1.5
 8. REC28     *  85801  21494   1.5
 9. REC29     *  85811  21494   1.5
10. REC30     *  85821  21494   1.5
11. REC31     *  85831  21494   1.5
12. REC32     *  85771  21504   1.5
13. REC33     *  85781  21504   1.5
14. REC34     *  85791  21504   1.5
15. REC35     *  85801  21504   1.5
16. REC36     *  85811  21504   1.5
17. REC37     *  85821  21504   1.5
18. REC38     *  85831  21504   1.5
19. REC39     *  85771  21514   1.5
20. REC40     *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC21   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
135.0 2.70 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.7 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 135.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *     X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
 1. REC41    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *  K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
157.5 3.70 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.7 M/S             Z0= 100. CM             ALT=     0. (M)
        BRG= 157.5 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC1     *  85791  21514   1.5
  2. REC2     *  85801  21514   1.5
  3. REC3     *  85811  21514   1.5
  4. REC4     *  85821  21514   1.5
  5. REC5     *  85831  21514   1.5
  6. REC6     *  85751  21464   1.5
  7. REC7     *  85761  21464   1.5
  8. REC8     *  85771  21464   1.5
  9. REC9     *  85781  21464   1.5
 10. REC10    *  85791  21464   1.5
 11. REC11    *  85801  21464   1.5
 12. REC12    *  85811  21464   1.5
 13. REC13    *  85751  21474   1.5
 14. REC14    *  85761  21474   1.5
 15. REC15    *  85771  21474   1.5
 16. REC16    *  85781  21474   1.5
 17. REC17    *  85791  21474   1.5
 18. REC18    *  85801  21474   1.5
 19. REC19    *  85811  21474   1.5
 20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 7. REC7     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 8. REC8     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 9. REC9     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
10. REC10    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
11. REC11    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
12. REC12    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .1
13. REC13    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
14. REC14    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
15. REC15    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
16. REC16    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
17. REC17    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .1
20. REC20    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                     CONC/LINK
              *                       (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC1     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
157.5 3.70 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.7 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 157.5 DEGREES         VD=   .0 CM/S
       CLAS=     6 (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   4

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                   CONC/LINK
              *                     (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC21    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
157.5 3.70 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.7 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 157.5 DEGREES          VD=   .0 CM/S
       CLAS=     6  (F)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC41    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0


             *                      CONC/LINK
             *                        (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
 1. REC41    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
180.0 3.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.4 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 180.0 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H      W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC1     *  85791  21514   1.5
 2. REC2     *  85801  21514   1.5
 3. REC3     *  85811  21514   1.5
 4. REC4     *  85821  21514   1.5
 5. REC5     *  85831  21514   1.5
 6. REC6     *  85751  21464   1.5
 7. REC7     *  85761  21464   1.5
 8. REC8     *  85771  21464   1.5
 9. REC9     *  85781  21464   1.5
10. REC10    *  85791  21464   1.5
11. REC11    *  85801  21464   1.5
12. REC12    *  85811  21464   1.5
13. REC13    *  85751  21474   1.5
14. REC14    *  85761  21474   1.5
15. REC15    *  85771  21474   1.5
16. REC16    *  85781  21474   1.5
17. REC17    *  85791  21474   1.5
18. REC18    *  85801  21474   1.5
19. REC19    *  85811  21474   1.5
20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 7. REC7     *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 8. REC8     *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 9. REC9     *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
10. REC10    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
11. REC11    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
12. REC12    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
14. REC14    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
15. REC15    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
16. REC16    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
17. REC17    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
18. REC18    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
19. REC19    *     .1 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *     .2 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .1
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                    CONC/LINK
            *                      (PPM)
 RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
------------*--------------------------------------------------
 1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
180.0 3.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.4 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 180.0 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC21   *  85801  21484   1.5
  2. REC22   *  85811  21484   1.5
  3. REC23   *  85821  21484   1.5
  4. REC24   *  85761  21494   1.5
  5. REC25   *  85771  21494   1.5
  6. REC26   *  85781  21494   1.5
  7. REC27   *  85791  21494   1.5
  8. REC28   *  85801  21494   1.5
  9. REC29   *  85811  21494   1.5
 10. REC30   *  85821  21494   1.5
 11. REC31   *  85831  21494   1.5
 12. REC32   *  85771  21504   1.5
 13. REC33   *  85781  21504   1.5
 14. REC34   *  85791  21504   1.5
 15. REC35   *  85801  21504   1.5
 16. REC36   *  85811  21504   1.5
 17. REC37   *  85821  21504   1.5
 18. REC38   *  85831  21504   1.5
 19. REC39   *  85771  21514   1.5
 20. REC40   *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                     CONC/LINK
              *                       (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC21    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
180.0 3.40 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.4 M/S            Z0= 100. CM            ALT=     0. (M)
       BRG= 180.0 DEGREES        VD=   .0 CM/S
      CLAS=     7 (G)            VS=   .0 CM/S
      MIXH= 1000. M             AMB=   .0 PPM
     SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *              EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   2

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
 1. REC41    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *     .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *  K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
202.5 3.30 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.3 M/S              Z0= 100. CM              ALT=     0. (M)
        BRG= 202.5 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

               *    COORDINATES (M)
   RECEPTOR    *    X       Y      Z
 --------------*---------------------
 1. REC1       *  85791  21514   1.5
 2. REC2       *  85801  21514   1.5
 3. REC3       *  85811  21514   1.5
 4. REC4       *  85821  21514   1.5
 5. REC5       *  85831  21514   1.5
 6. REC6       *  85751  21464   1.5
 7. REC7       *  85761  21464   1.5
 8. REC8       *  85771  21464   1.5
 9. REC9       *  85781  21464   1.5
10. REC10      *  85791  21464   1.5
11. REC11      *  85801  21464   1.5
12. REC12      *  85811  21464   1.5
13. REC13      *  85751  21474   1.5
14. REC14      *  85761  21474   1.5
15. REC15      *  85771  21474   1.5
16. REC16      *  85781  21474   1.5
17. REC17      *  85791  21474   1.5
18. REC18      *  85801  21474   1.5
19. REC19      *  85811  21474   1.5
20. REC20      *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

            * PRED  *                    CONC/LINK
            * CONC  *                      (PPM)
  RECEPTOR  * (PPM) *  A    B    C    D    E    F    G    H    I    J
------------*-------*-----------------------------------------------------
 1. REC1    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 7. REC7    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 8. REC8    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 9. REC9    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
10. REC10   *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
11. REC11   *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
12. REC12   *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
13. REC13   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
14. REC14   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
15. REC15   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
16. REC16   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
17. REC17   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
18. REC18   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
19. REC19   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
20. REC20   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   4

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                     CONC/LINK
              *                       (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC1     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
202.5 3.30 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.3 M/S            Z0= 100. CM            ALT=     0. (M)
       BRG= 202.5 DEGREES        VD=   .0 CM/S
      CLAS=     7 (G)            VS=   .0 CM/S
      MIXH= 1000. M             AMB=   .0 PPM
     SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC21   *  85801  21484   1.5
  2. REC22   *  85811  21484   1.5
  3. REC23   *  85821  21484   1.5
  4. REC24   *  85761  21494   1.5
  5. REC25   *  85771  21494   1.5
  6. REC26   *  85781  21494   1.5
  7. REC27   *  85791  21494   1.5
  8. REC28   *  85801  21494   1.5
  9. REC29   *  85811  21494   1.5
 10. REC30   *  85821  21494   1.5
 11. REC31   *  85831  21494   1.5
 12. REC32   *  85771  21504   1.5
 13. REC33   *  85781  21504   1.5
 14. REC34   *  85791  21504   1.5
 15. REC35   *  85801  21504   1.5
 16. REC36   *  85811  21504   1.5
 17. REC37   *  85821  21504   1.5
 18. REC38   *  85831  21504   1.5
 19. REC39   *  85771  21514   1.5
 20. REC40   *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 2. REC22    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 3. REC23    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   4

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                    CONC/LINK
              *                      (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC21    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.3 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 202.5 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1    * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1    * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1    * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1    * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1    * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1    * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1    * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1    * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1    * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1    * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1    * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1    * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *     X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC41    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
22.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=  22.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC1     *  85791  21514   1.5
  2. REC2     *  85801  21514   1.5
  3. REC3     *  85811  21514   1.5
  4. REC4     *  85821  21514   1.5
  5. REC5     *  85831  21514   1.5
  6. REC6     *  85751  21464   1.5
  7. REC7     *  85761  21464   1.5
  8. REC8     *  85771  21464   1.5
  9. REC9     *  85781  21464   1.5
 10. REC10    *  85791  21464   1.5
 11. REC11    *  85801  21464   1.5
 12. REC12    *  85811  21464   1.5
 13. REC13    *  85751  21474   1.5
 14. REC14    *  85761  21474   1.5
 15. REC15    *  85771  21474   1.5
 16. REC16    *  85781  21474   1.5
 17. REC17    *  85791  21474   1.5
 18. REC18    *  85801  21474   1.5
 19. REC19    *  85811  21474   1.5
 20. REC20    *  85821  21474   1.5
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   3

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
  1. REC1    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20   *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                     CONC/LINK
             *                       (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
  1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
22.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM             ALT=     0. (M)
        BRG=  22.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK       *  LINK COORDINATES (M)   *                EF     H     W
    DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 -----------------*-------------------------*------------------------------
-
 A. LINK A-1      * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1      * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1      * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1      * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1      * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1      * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1      * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1      * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1      * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1      * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1      * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1      * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   4

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                   CONC/LINK
              *                     (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*-------------------------------------------------
  1. REC21    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
22.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
      BRG=  22.5 DEGREES         VD=   .0 CM/S
     CLAS=     7 (G)             VS=   .0 CM/S
     MIXH= 1000. M              AMB=   .0 PPM
    SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 --------------*-------------------------*-----------------------------
-
 A. LINK A-1   * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1   * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1   * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1   * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1   * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1   * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1   * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1   * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1   * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1   * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1   * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1   * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *     X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
 1. REC41    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *     .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
 1. REC41    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
225.0 3.60 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.6 M/S            Z0= 100. CM            ALT=     0. (M)
       BRG= 225.0 DEGREES        VD=   .0 CM/S
      CLAS=     6 (F)            VS=   .0 CM/S
      MIXH= 1000. M             AMB=   .0 PPM
     SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *              EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

                *    COORDINATES (M)
   RECEPTOR     *    X      Y      Z
 ------------*---------------------
 1. REC1      *  85791  21514   1.5
 2. REC2      *  85801  21514   1.5
 3. REC3      *  85811  21514   1.5
 4. REC4      *  85821  21514   1.5
 5. REC5      *  85831  21514   1.5
 6. REC6      *  85751  21464   1.5
 7. REC7      *  85761  21464   1.5
 8. REC8      *  85771  21464   1.5
 9. REC9      *  85781  21464   1.5
10. REC10     *  85791  21464   1.5
11. REC11     *  85801  21464   1.5
12. REC12     *  85811  21464   1.5
13. REC13     *  85751  21474   1.5
14. REC14     *  85761  21474   1.5
15. REC15     *  85771  21474   1.5
16. REC16     *  85781  21474   1.5
17. REC17     *  85791  21474   1.5
18. REC18     *  85801  21474   1.5
19. REC19     *  85811  21474   1.5
20. REC20     *  85821  21474   1.5
```

□

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           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

            * PRED  *                    CONC/LINK
            * CONC  *                      (PPM)
  RECEPTOR  * (PPM) *   A    B    C    D    E    F    G    H    I    J
------------*-------*-----------------------------------------------------
 1. REC1    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 7. REC7    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 8. REC8    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
 9. REC9    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
10. REC10   *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
11. REC11   *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
12. REC12   *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
13. REC13   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
16. REC16   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
17. REC17   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
18. REC18   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
19. REC19   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
20. REC20   *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                     CONC/LINK
             *                       (PPM)
 RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
------------*---------------------------------------------------
 1. REC1     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
225.0 3.60 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.6 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG= 225.0 DEGREES          VD=   .0 CM/S
       CLAS=     6  (F)             VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)    *              EF     H      W
    DESCRIPTION  *   X1     Y1     X2     Y2  * TYPE  VPH  (G/MI)  (M)    (M)
 ----------------*--------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 2. REC22    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 3. REC23    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
11. REC31    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                   CONC/LINK
            *                     (PPM)
 RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
------------*--------------------------------------------------
 1. REC21   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
225.0 3.60 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.6 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 225.0 DEGREES         VD=   .0 CM/S
      CLAS=     6 (F)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)    *              EF     H     W
   DESCRIPTION   *   X1     Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*--------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC41    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0


             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
 1. REC41    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
247.5 3.50 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.5 M/S            Z0= 100. CM            ALT=     0. (M)
       BRG= 247.5 DEGREES        VD=   .0 CM/S
      CLAS=     6 (F)            VS=   .0 CM/S
      MIXH= 1000. M             AMB=   .0 PPM
     SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   2

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC1     *  85791  21514   1.5
  2. REC2     *  85801  21514   1.5
  3. REC3     *  85811  21514   1.5
  4. REC4     *  85821  21514   1.5
  5. REC5     *  85831  21514   1.5
  6. REC6     *  85751  21464   1.5
  7. REC7     *  85761  21464   1.5
  8. REC8     *  85771  21464   1.5
  9. REC9     *  85781  21464   1.5
 10. REC10    *  85791  21464   1.5
 11. REC11    *  85801  21464   1.5
 12. REC12    *  85811  21464   1.5
 13. REC13    *  85751  21474   1.5
 14. REC14    *  85761  21474   1.5
 15. REC15    *  85771  21474   1.5
 16. REC16    *  85781  21474   1.5
 17. REC17    *  85791  21474   1.5
 18. REC18    *  85801  21474   1.5
 19. REC19    *  85811  21474   1.5
 20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*-------------------------------------------------
 1. REC1     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
10. REC10    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
11. REC11    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
12. REC12    *    .2 *  .0   .0   .0   .0   .0   .0   .0   .0   .2   .0
13. REC13    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
20. REC20    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .1   .0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   4

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                    CONC/LINK
            *                      (PPM)
  RECEPTOR  *   K    L    M    N    O    P    Q    R    S    T
 -----------*--------------------------------------------------
 1. REC1    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20   *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
247.5 3.50 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.5 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 247.5 DEGREES         VD=   .0 CM/S
      CLAS=     6 (F)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
           POLLUTANT: Carbon Monoxide


  III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
    RECEPTOR  *    X      Y      Z
  ------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*-----------------------------------------------------
 1. REC21    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .1 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                    CONC/LINK
            *                      (PPM)
 RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
------------*--------------------------------------------------
 1. REC21   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
247.5 3.50 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.5 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 247.5 DEGREES         VD=   .0 CM/S
      CLAS=     6 (F)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES  (M)
   RECEPTOR  *     X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
 1. REC41    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *     .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                     CONC/LINK
             *                       (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
 1. REC41    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
270.0 3.80 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.8 M/S            Z0= 100. CM            ALT=     0. (M)
       BRG= 270.0 DEGREES        VD=   .0 CM/S
      CLAS=     6 (F)            VS=   .0 CM/S
      MIXH= 1000. M             AMB=   .0 PPM
     SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *              EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X       Y      Z
 -------------*---------------------
  1. REC1     *  85791  21514   1.5
  2. REC2     *  85801  21514   1.5
  3. REC3     *  85811  21514   1.5
  4. REC4     *  85821  21514   1.5
  5. REC5     *  85831  21514   1.5
  6. REC6     *  85751  21464   1.5
  7. REC7     *  85761  21464   1.5
  8. REC8     *  85771  21464   1.5
  9. REC9     *  85781  21464   1.5
 10. REC10    *  85791  21464   1.5
 11. REC11    *  85801  21464   1.5
 12. REC12    *  85811  21464   1.5
 13. REC13    *  85751  21474   1.5
 14. REC14    *  85761  21474   1.5
 15. REC15    *  85771  21474   1.5
 16. REC16    *  85781  21474   1.5
 17. REC17    *  85791  21474   1.5
 18. REC18    *  85801  21474   1.5
 19. REC19    *  85811  21474   1.5
 20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                      CONC/LINK
             *                        (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   1

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.8 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 270.0 DEGREES         VD=   .0 CM/S
      CLAS=     6 (F)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                    CONC/LINK
             *                      (PPM)
 RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
-------------*--------------------------------------------------
 1. REC21    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   3.8 M/S            Z0= 100. CM            ALT=     0. (M)
      BRG= 270.0 DEGREES        VD=   .0 CM/S
     CLAS=     6 (F)            VS=   .0 CM/S
     MIXH= 1000. M             AMB=   .0 PPM
    SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*-------------------------------------------------
 1. REC41    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
 1. REC41    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
292.5 3.99 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   4.0 M/S              Z0= 100. CM             ALT=     0. (M)
       BRG= 292.5 DEGREES          VD=    .0 CM/S
      CLAS=     6 (F)              VS=    .0 CM/S
      MIXH= 1000. M               AMB=    .0 PPM
     SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC1     *  85791  21514   1.5
  2. REC2     *  85801  21514   1.5
  3. REC3     *  85811  21514   1.5
  4. REC4     *  85821  21514   1.5
  5. REC5     *  85831  21514   1.5
  6. REC6     *  85751  21464   1.5
  7. REC7     *  85761  21464   1.5
  8. REC8     *  85771  21464   1.5
  9. REC9     *  85781  21464   1.5
 10. REC10    *  85791  21464   1.5
 11. REC11    *  85801  21464   1.5
 12. REC12    *  85811  21464   1.5
 13. REC13    *  85751  21474   1.5
 14. REC14    *  85761  21474   1.5
 15. REC15    *  85771  21474   1.5
 16. REC16    *  85781  21474   1.5
 17. REC17    *  85791  21474   1.5
 18. REC18    *  85801  21474   1.5
 19. REC19    *  85811  21474   1.5
 20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                    CONC/LINK
            *                      (PPM)
 RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
------------*--------------------------------------------------
 1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
292.5 3.99 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   4.0 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 292.5 DEGREES         VD=   .0 CM/S
      CLAS=     6 (F)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

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           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

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           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                   CONC/LINK
             * CONC  *                     (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
  1. REC21    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

                *                     CONC/LINK
                *                       (PPM)
  RECEPTOR      *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC21      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40      *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
292.5 3.99 6 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   4.0 M/S              Z0= 100. CM            ALT=     0. (M)
        BRG= 292.5 DEGREES          VD=   .0 CM/S
       CLAS=     6 (F)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
                 CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                          JUNE 1989 VERSION
                          PAGE   2

                     JOB: Alcazar Proposed (x10)
                     RUN: Hour 1
               POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*-------------------------------------------------
 1. REC41    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *  K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
315.0 3.10 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   3.1 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG= 315.0 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  III.  RECEPTOR LOCATIONS

               *    COORDINATES (M)
    RECEPTOR   *    X      Y      Z
  -------------*---------------------
  1. REC1      *  85791  21514   1.5
  2. REC2      *  85801  21514   1.5
  3. REC3      *  85811  21514   1.5
  4. REC4      *  85821  21514   1.5
  5. REC5      *  85831  21514   1.5
  6. REC6      *  85751  21464   1.5
  7. REC7      *  85761  21464   1.5
  8. REC8      *  85771  21464   1.5
  9. REC9      *  85781  21464   1.5
 10. REC10     *  85791  21464   1.5
 11. REC11     *  85801  21464   1.5
 12. REC12     *  85811  21464   1.5
 13. REC13     *  85751  21474   1.5
 14. REC14     *  85761  21474   1.5
 15. REC15     *  85771  21474   1.5
 16. REC16     *  85781  21474   1.5
 17. REC17     *  85791  21474   1.5
 18. REC18     *  85801  21474   1.5
 19. REC19     *  85811  21474   1.5
 20. REC20     *  85821  21474   1.5
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   3

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

               * PRED  *                    CONC/LINK
               * CONC  *                      (PPM)
  RECEPTOR     * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9      *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

            *                    CONC/LINK
            *                      (PPM)
 RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
------------*--------------------------------------------------
 1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
315.0 3.10 7 1000.0 10.0 0.0 18.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   1

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   3.1 M/S            Z0= 100. CM            ALT=     0. (M)
      BRG= 315.0 DEGREES        VD=   .0 CM/S
     CLAS=     7 (G)            VS=   .0 CM/S
     MIXH= 1000. M             AMB=   .0 PPM
    SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ---------------*-------------------------*------------------------------
-
 A. LINK A-1    * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1    * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1    * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1    * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1    * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1    * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1    * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1    * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1    * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1    * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1    * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1    * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   2

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

```
□




          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   3

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                     CONC/LINK
             *                       (PPM)
 RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
-------------*--------------------------------------------------
 1. REC21    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
315.0 3.10 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   3.1 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 315.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK       *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1      * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1      * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1      * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1      * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1      * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1      * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1      * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1      * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1      * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1      * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1      * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1      * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC41    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                     CONC/LINK
             *                       (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
 1. REC41    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
337.5 2.20 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.2 M/S             Z0= 100. CM             ALT=     0. (M)
        BRG= 337.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X       Y      Z
 ------------*---------------------
  1. REC1    *  85791  21514   1.5
  2. REC2    *  85801  21514   1.5
  3. REC3    *  85811  21514   1.5
  4. REC4    *  85821  21514   1.5
  5. REC5    *  85831  21514   1.5
  6. REC6    *  85751  21464   1.5
  7. REC7    *  85761  21464   1.5
  8. REC8    *  85771  21464   1.5
  9. REC9    *  85781  21464   1.5
 10. REC10   *  85791  21464   1.5
 11. REC11   *  85801  21464   1.5
 12. REC12   *  85811  21464   1.5
 13. REC13   *  85751  21474   1.5
 14. REC14   *  85761  21474   1.5
 15. REC15   *  85771  21474   1.5
 16. REC16   *  85781  21474   1.5
 17. REC17   *  85791  21474   1.5
 18. REC18   *  85801  21474   1.5
 19. REC19   *  85811  21474   1.5
 20. REC20   *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                    CONC/LINK
              *                      (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC1     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
337.5 2.20 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.2 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 337.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2   * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

              *    COORDINATES (M)
   RECEPTOR   *    X      Y      Z
 -------------*---------------------
  1. REC21    *  85801  21484   1.5
  2. REC22    *  85811  21484   1.5
  3. REC23    *  85821  21484   1.5
  4. REC24    *  85761  21494   1.5
  5. REC25    *  85771  21494   1.5
  6. REC26    *  85781  21494   1.5
  7. REC27    *  85791  21494   1.5
  8. REC28    *  85801  21494   1.5
  9. REC29    *  85811  21494   1.5
 10. REC30    *  85821  21494   1.5
 11. REC31    *  85831  21494   1.5
 12. REC32    *  85771  21504   1.5
 13. REC33    *  85781  21504   1.5
 14. REC34    *  85791  21504   1.5
 15. REC35    *  85801  21504   1.5
 16. REC36    *  85811  21504   1.5
 17. REC37    *  85821  21504   1.5
 18. REC38    *  85831  21504   1.5
 19. REC39    *  85771  21514   1.5
 20. REC40    *  85781  21514   1.5
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   3

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
                                                                  
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   4

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


   IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                    CONC/LINK
              *                      (PPM)
   RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
  ------------*--------------------------------------------------
  1. REC21    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
337.5 2.20 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.2 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG= 337.5 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
  RECEPTOR   *    X      Y      Z
-------------*---------------------
1. REC41     *  85791  21514   1.5
2. REC42     *  85801  21514   1.5
3. REC43     *  85811  21514   1.5
4. REC44     *  85821  21514   1.5
5. REC45     *  85831  21514   1.5


 IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
 RECEPTOR    * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
1. REC41     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. REC42     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
3. REC43     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4. REC44     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
5. REC45     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
 RECEPTOR    *  K    L    M    N    O    P    Q    R    S    T
-------------*--------------------------------------------------
1. REC41     *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
2. REC42     *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
3. REC43     *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
4. REC44     *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
5. REC45     *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
45.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=  45.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC1    *  85791  21514   1.5
  2. REC2    *  85801  21514   1.5
  3. REC3    *  85811  21514   1.5
  4. REC4    *  85821  21514   1.5
  5. REC5    *  85831  21514   1.5
  6. REC6    *  85751  21464   1.5
  7. REC7    *  85761  21464   1.5
  8. REC8    *  85771  21464   1.5
  9. REC9    *  85781  21464   1.5
 10. REC10   *  85791  21464   1.5
 11. REC11   *  85801  21464   1.5
 12. REC12   *  85811  21464   1.5
 13. REC13   *  85751  21474   1.5
 14. REC14   *  85761  21474   1.5
 15. REC15   *  85771  21474   1.5
 16. REC16   *  85781  21474   1.5
 17. REC17   *  85791  21474   1.5
 18. REC18   *  85801  21474   1.5
 19. REC19   *  85811  21474   1.5
 20. REC20   *  85821  21474   1.5
```

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           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                     CONC/LINK
             * CONC  *                       (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

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            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   4

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
45.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=  45.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

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           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*----------------------
 1. REC21    *  85801  21484   1.5
 2. REC22    *  85811  21484   1.5
 3. REC23    *  85821  21484   1.5
 4. REC24    *  85761  21494   1.5
 5. REC25    *  85771  21494   1.5
 6. REC26    *  85781  21494   1.5
 7. REC27    *  85791  21494   1.5
 8. REC28    *  85801  21494   1.5
 9. REC29    *  85811  21494   1.5
10. REC30    *  85821  21494   1.5
11. REC31    *  85831  21494   1.5
12. REC32    *  85771  21504   1.5
13. REC33    *  85781  21504   1.5
14. REC34    *  85791  21504   1.5
15. REC35    *  85801  21504   1.5
16. REC36    *  85811  21504   1.5
17. REC37    *  85821  21504   1.5
18. REC38    *  85831  21504   1.5
19. REC39    *  85771  21514   1.5
20. REC40    *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
  1. REC21   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40   *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

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           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC21   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
45.0 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=  45.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1      * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1      * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1      * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1      * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1      * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1      * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1      * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1      * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   2

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *     X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
 1. REC41    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *  K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
67.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   1

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   1.8 M/S            Z0= 100. CM            ALT=     0. (M)
      BRG=  67.5 DEGREES        VD=   .0 CM/S
     CLAS=     7 (G)            VS=   .0 CM/S
     MIXH= 1000. M             AMB=   .0 PPM
    SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC1    *  85791  21514   1.5
  2. REC2    *  85801  21514   1.5
  3. REC3    *  85811  21514   1.5
  4. REC4    *  85821  21514   1.5
  5. REC5    *  85831  21514   1.5
  6. REC6    *  85751  21464   1.5
  7. REC7    *  85761  21464   1.5
  8. REC8    *  85771  21464   1.5
  9. REC9    *  85781  21464   1.5
 10. REC10   *  85791  21464   1.5
 11. REC11   *  85801  21464   1.5
 12. REC12   *  85811  21464   1.5
 13. REC13   *  85751  21474   1.5
 14. REC14   *  85761  21474   1.5
 15. REC15   *  85771  21474   1.5
 16. REC16   *  85781  21474   1.5
 17. REC17   *  85791  21474   1.5
 18. REC18   *  85801  21474   1.5
 19. REC19   *  85811  21474   1.5
 20. REC20   *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   4

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                    CONC/LINK
              *                      (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC1     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9     *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
67.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

        U=   1.8 M/S            Z0= 100. CM            ALT=     0. (M)
      BRG=  67.5 DEGREES        VD=   .0 CM/S
     CLAS=     7 (G)            VS=   .0 CM/S
     MIXH= 1000. M             AMB=   .0 PPM
    SIGTH=   10. DEGREES      TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

     LINK      *  LINK COORDINATES (M)   *              EF     H     W
  DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*-----------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


  III.  RECEPTOR LOCATIONS

               *    COORDINATES (M)
    RECEPTOR   *    X      Y      Z
  -------------*---------------------
   1. REC21    *  85801  21484   1.5
   2. REC22    *  85811  21484   1.5
   3. REC23    *  85821  21484   1.5
   4. REC24    *  85761  21494   1.5
   5. REC25    *  85771  21494   1.5
   6. REC26    *  85781  21494   1.5
   7. REC27    *  85791  21494   1.5
   8. REC28    *  85801  21494   1.5
   9. REC29    *  85811  21494   1.5
  10. REC30    *  85821  21494   1.5
  11. REC31    *  85831  21494   1.5
  12. REC32    *  85771  21504   1.5
  13. REC33    *  85781  21504   1.5
  14. REC34    *  85791  21504   1.5
  15. REC35    *  85801  21504   1.5
  16. REC36    *  85811  21504   1.5
  17. REC37    *  85821  21504   1.5
  18. REC38    *  85831  21504   1.5
  19. REC39    *  85771  21514   1.5
  20. REC40    *  85781  21514   1.5
```

```
            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   3

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC21    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC22    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC23    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC24    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC25    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC26    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC27    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC28    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC29    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC30    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC31    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC32    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC33    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC34    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC35    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC36    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC37    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC38    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC39    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC40    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC21   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
67.5 1.80 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   1.8 M/S              Z0= 100. CM             ALT=     0. (M)
        BRG=  67.5 DEGREES          VD=   .0 CM/S
       CLAS=     7 (G)              VS=   .0 CM/S
       MIXH= 1000. M               AMB=   .0 PPM
      SIGTH=   10. DEGREES        TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   2

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC41    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0



             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *  K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC1
REC2
REC3
REC4
REC5
REC6
REC7
REC8
REC9
REC10
REC11
REC12
REC13
REC14
REC15
REC16
REC17
REC18
REC19
REC20
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
85751.0 21464.0 1.5
85761.0 21464.0 1.5
85771.0 21464.0 1.5
85781.0 21464.0 1.5
85791.0 21464.0 1.5
85801.0 21464.0 1.5
85811.0 21464.0 1.5
85751.0 21474.0 1.5
85761.0 21474.0 1.5
85771.0 21474.0 1.5
85781.0 21474.0 1.5
85791.0 21474.0 1.5
85801.0 21474.0 1.5
85811.0 21474.0 1.5
85821.0 21474.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
90.0 2.00 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

         U=   2.0 M/S             Z0= 100. CM            ALT=     0. (M)
       BRG=  90.0 DEGREES         VD=   .0 CM/S
      CLAS=     7 (G)             VS=   .0 CM/S
      MIXH= 1000. M              AMB=   .0 PPM
     SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

      LINK       *  LINK COORDINATES (M)   *               EF     H     W
   DESCRIPTION   *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
              CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                       JUNE 1989 VERSION
                       PAGE   2

                  JOB: Alcazar Proposed (x10)
                  RUN: Hour 1
            POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC1     *  85791  21514   1.5
  2. REC2     *  85801  21514   1.5
  3. REC3     *  85811  21514   1.5
  4. REC4     *  85821  21514   1.5
  5. REC5     *  85831  21514   1.5
  6. REC6     *  85751  21464   1.5
  7. REC7     *  85761  21464   1.5
  8. REC8     *  85771  21464   1.5
  9. REC9     *  85781  21464   1.5
 10. REC10    *  85791  21464   1.5
 11. REC11    *  85801  21464   1.5
 12. REC12    *  85811  21464   1.5
 13. REC13    *  85751  21474   1.5
 14. REC14    *  85761  21474   1.5
 15. REC15    *  85771  21474   1.5
 16. REC16    *  85781  21474   1.5
 17. REC17    *  85791  21474   1.5
 18. REC18    *  85801  21474   1.5
 19. REC19    *  85811  21474   1.5
 20. REC20    *  85821  21474   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*--------------------------------------------------
 1. REC1     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC2     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC3     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC4     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC5     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 6. REC6     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 7. REC7     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 8. REC8     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 9. REC9     *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
10. REC10    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
11. REC11    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
12. REC12    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
13. REC13    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
14. REC14    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
15. REC15    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
16. REC16    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
17. REC17    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
18. REC18    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
19. REC19    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
20. REC20    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
          CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                   JUNE 1989 VERSION
                   PAGE   4

              JOB: Alcazar Proposed (x10)
              RUN: Hour 1
        POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *   K    L    M    N    O    P    Q    R    S    T
 ------------*--------------------------------------------------
  1. REC1    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC2    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC3    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC4    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC5    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC6    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC7    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC8    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC9    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC10   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC11   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC12   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC13   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC14   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC15   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC16   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC17   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC18   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC19   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC20   *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 20 20 1.0 1 1 0.0
REC21
REC22
REC23
REC24
REC25
REC26
REC27
REC28
REC29
REC30
REC31
REC32
REC33
REC34
REC35
REC36
REC37
REC38
REC39
REC40
85801.0 21484.0 1.5
85811.0 21484.0 1.5
85821.0 21484.0 1.5
85761.0 21494.0 1.5
85771.0 21494.0 1.5
85781.0 21494.0 1.5
85791.0 21494.0 1.5
85801.0 21494.0 1.5
85811.0 21494.0 1.5
85821.0 21494.0 1.5
85831.0 21494.0 1.5
85771.0 21504.0 1.5
85781.0 21504.0 1.5
85791.0 21504.0 1.5
85801.0 21504.0 1.5
85811.0 21504.0 1.5
85821.0 21504.0 1.5
85831.0 21504.0 1.5
85771.0 21514.0 1.5
85781.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
```

```
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
90.0 2.00 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.0 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=  90.0 DEGREES         VD=   .0 CM/S
       CLAS=     7 (G)             VS=   .0 CM/S
       MIXH= 1000. M              AMB=   .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *               EF     H     W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   2

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
  1. REC21   *  85801  21484   1.5
  2. REC22   *  85811  21484   1.5
  3. REC23   *  85821  21484   1.5
  4. REC24   *  85761  21494   1.5
  5. REC25   *  85771  21494   1.5
  6. REC26   *  85781  21494   1.5
  7. REC27   *  85791  21494   1.5
  8. REC28   *  85801  21494   1.5
  9. REC29   *  85811  21494   1.5
 10. REC30   *  85821  21494   1.5
 11. REC31   *  85831  21494   1.5
 12. REC32   *  85771  21504   1.5
 13. REC33   *  85781  21504   1.5
 14. REC34   *  85791  21504   1.5
 15. REC35   *  85801  21504   1.5
 16. REC36   *  85811  21504   1.5
 17. REC37   *  85821  21504   1.5
 18. REC38   *  85831  21504   1.5
 19. REC39   *  85771  21514   1.5
 20. REC40   *  85781  21514   1.5
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   3

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *   A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
  1. REC21    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *    .0 *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
                CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                         JUNE 1989 VERSION
                         PAGE   4

                    JOB: Alcazar Proposed (x10)
                    RUN: Hour 1
              POLLUTANT: Carbon Monoxide


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.) (CONT.)

              *                    CONC/LINK
              *                      (PPM)
  RECEPTOR    *   K    L    M    N    O    P    Q    R    S    T
 -------------*--------------------------------------------------
  1. REC21    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  2. REC22    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  3. REC23    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  4. REC24    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  5. REC25    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  6. REC26    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  7. REC27    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  8. REC28    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
  9. REC29    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 10. REC30    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 11. REC31    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 12. REC32    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 13. REC33    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 14. REC34    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 15. REC35    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 16. REC36    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 17. REC37    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 18. REC38    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 19. REC39    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 20. REC40    *   .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
Alcazar Proposed (x10)
1Carbon Monoxide
100.0 28.0 0.0 0.0 5 20 1.0 1 1 0.0
REC41
REC42
REC43
REC44
REC45
85791.0 21514.0 1.5
85801.0 21514.0 1.5
85811.0 21514.0 1.5
85821.0 21514.0 1.5
85831.0 21514.0 1.5
LINK A-1
LINK B-1
LINK C-1
LINK D-1
LINK E-1
LINK F-1
LINK G-1
LINK H-1
LINK I-1
LINK J-1
LINK K-1
LINK L-1
LINK M-1
LINK N-1
LINK O-1
LINK P-1
LINK Q-1
LINK R-1
LINK S-1
LINK T-1
1 85666.2 21524.0 85668.8 21516.0 0.0 8.0 0.0 0.0 0
1 85668.8 21515.7 85668.9 21498.0 0.0 8.0 0.0 0.0 0
1 85668.9 21498.0 85671.2 21482.0 0.0 8.0 0.0 0.0 0
1 85671.2 21482.0 85677.1 21469.5 0.0 8.0 0.0 0.0 0
1 85677.1 21469.5 85685.0 21460.1 0.0 8.0 0.0 0.0 0
1 85685.0 21460.1 85696.6 21451.4 0.0 8.0 0.0 0.0 0
1 85696.6 21451.4 85709.3 21446.1 0.0 8.0 0.0 0.0 0
1 85709.3 21446.1 85725.0 21444.5 0.0 8.0 0.0 0.0 0
1 85725.0 21444.5 85812.4 21445.2 0.0 8.0 0.0 0.0 0
1 85812.4 21445.2 85836.9 21439.8 0.0 8.0 0.0 0.0 0
1 85836.9 21439.8 85857.6 21433.6 0.0 8.0 0.0 0.0 0
1 85857.6 21433.6 85872.0 21422.4 0.0 8.0 0.0 0.0 0
1 85872.0 21422.4 85876.3 21410.2 0.0 8.0 0.0 0.0 0
1 85876.3 21410.2 85875.1 21396.8 0.0 8.0 0.0 0.0 0
1 85875.1 21396.8 85870.5 21387.9 0.0 8.0 0.0 0.0 0
1 85870.5 21387.9 85838.6 21354.6 0.0 8.0 0.0 0.0 0
1 85838.6 21354.6 85832.0 21342.7 0.0 8.0 0.0 0.0 0
1 85832.0 21342.7 85828.9 21330.1 0.0 8.0 0.0 0.0 0
1 85828.9 21330.1 85831.5 21317.4 0.0 8.0 0.0 0.0 0
1 85831.5 21317.4 85839.4 21303.5 0.0 8.0 0.0 0.0 0
11101Hour 1
```

```
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
1000.0 1000.0 1000.0 1000.0 1000.0
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
19.600 19.600 19.600 19.600 19.600
90.0 2.00 7 1000.0 10.0 0.0 18.0
```

```
           CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                    JUNE 1989 VERSION
                    PAGE   1

               JOB: Alcazar Proposed (x10)
               RUN: Hour 1
         POLLUTANT: Carbon Monoxide


   I.  SITE VARIABLES

          U=   2.0 M/S             Z0= 100. CM            ALT=     0. (M)
        BRG=  90.0 DEGREES         VD=    .0 CM/S
       CLAS=     7 (G)             VS=    .0 CM/S
       MIXH= 1000. M              AMB=    .0 PPM
      SIGTH=   10. DEGREES       TEMP= 18.0 DEGREE (C)


  II.  LINK VARIABLES

       LINK      *  LINK COORDINATES (M)   *              EF     H      W
    DESCRIPTION  *   X1    Y1    X2    Y2  * TYPE  VPH  (G/MI)  (M)   (M)
 ----------------*-------------------------*------------------------------
-
 A. LINK A-1     * 85666 21524 85669 21516 *  AG   1000  19.6     .0
8.0
 B. LINK B-1     * 85669 21516 85669 21498 *  AG   1000  19.6     .0
8.0
 C. LINK C-1     * 85669 21498 85671 21482 *  AG   1000  19.6     .0
8.0
 D. LINK D-1     * 85671 21482 85677 21470 *  AG   1000  19.6     .0
8.0
 E. LINK E-1     * 85677 21470 85685 21460 *  AG   1000  19.6     .0
8.0
 F. LINK F-1     * 85685 21460 85697 21451 *  AG   1000  19.6     .0
8.0
 G. LINK G-1     * 85697 21451 85709 21446 *  AG   1000  19.6     .0
8.0
 H. LINK H-1     * 85709 21446 85725 21445 *  AG   1000  19.6     .0
8.0
 I. LINK I-1     * 85725 21445 85812 21445 *  AG   1000  19.6     .0
8.0
 J. LINK J-1     * 85812 21445 85837 21440 *  AG   1000  19.6     .0
8.0
 K. LINK K-1     * 85837 21440 85858 21434 *  AG   1000  19.6     .0
8.0
 L. LINK L-1     * 85858 21434 85872 21422 *  AG   1000  19.6     .0
8.0
```

```
 M. LINK M-1     * 85872 21422 85876 21410 *  AG   1000  19.6     .0
8.0
 N. LINK N-1     * 85876 21410 85875 21397 *  AG   1000  19.6     .0
8.0
 O. LINK O-1     * 85875 21397 85871 21388 *  AG   1000  19.6     .0
8.0
 P. LINK P-1     * 85871 21388 85839 21355 *  AG   1000  19.6     .0
8.0
 Q. LINK Q-1     * 85839 21355 85832 21343 *  AG   1000  19.6     .0
8.0
 R. LINK R-1     * 85832 21343 85829 21330 *  AG   1000  19.6     .0
8.0
 S. LINK S-1     * 85829 21330 85832 21317 *  AG   1000  19.6     .0
8.0
 T. LINK T-1     * 85832 21317 85839 21304 *  AG   1000  19.6     .0
8.0
```

```


            CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                     JUNE 1989 VERSION
                     PAGE   2

                JOB: Alcazar Proposed (x10)
                RUN: Hour 1
          POLLUTANT: Carbon Monoxide


 III.  RECEPTOR LOCATIONS

             *    COORDINATES (M)
   RECEPTOR  *    X      Y      Z
 ------------*---------------------
 1. REC41    *  85791  21514   1.5
 2. REC42    *  85801  21514   1.5
 3. REC43    *  85811  21514   1.5
 4. REC44    *  85821  21514   1.5
 5. REC45    *  85831  21514   1.5


  IV.  MODEL RESULTS (PRED. CONC. INCLUDES AMB.)

             * PRED  *                    CONC/LINK
             * CONC  *                      (PPM)
  RECEPTOR   * (PPM) *  A    B    C    D    E    F    G    H    I    J
-------------*-------*---------------------------------------------------
 1. REC41    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *    .0 *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0


             *                    CONC/LINK
             *                      (PPM)
  RECEPTOR   *  K    L    M    N    O    P    Q    R    S    T
 ------------*---------------------------------------------------
 1. REC41    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 2. REC42    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 3. REC43    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 4. REC44    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
 5. REC45    *  .0   .0   .0   .0   .0   .0   .0   .0   .0   .0
```

```
 * X Y 0.0 22.5 45.0 67.5 90.0 112.5 135.0 157.5 180.0 202.5 225.0 247.5 270.0 292.5
315.0 337.5
REC1     *  85751  21464      .0      .0      .0      .0      .0      .0      .0
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC2     *  85761  21464      .0      .0      .0      .0      .0      .0      .0
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC3     *  85771  21464      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
REC4     *  85781  21464      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
REC5     *  85791  21464      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
REC6     *  85801  21464      .0      .0      .0      .0      .0      .4      .3
 .2      .1      .2      .2      .2      .0      .0      .0      .0
REC7     *  85811  21464      .0      .0      .0      .0      .0      .4      .3
 .2      .1      .2      .2      .2      .0      .0      .0      .0
REC8     *  85751  21474      .0      .0      .0      .0      .0      .4      .3
 .2      .1      .2      .2      .2      .0      .0      .0      .0
REC9     *  85761  21474      .0      .0      .0      .0      .0      .3      .3
 .2      .1      .2      .2      .2      .0      .0      .0      .0
REC10    *  85771  21474      .0      .0      .0      .0      .0      .3      .3
 .2      .1      .2      .2      .2      .0      .0      .0      .0
REC11    *  85781  21474      .0      .0      .0      .0      .0      .2      .4
 .2      .2      .2      .2      .2      .0      .0      .0      .0
REC12    *  85791  21474      .0      .0      .0      .0      .0      .0      .4
 .2      .2      .2      .2      .2      .0      .0      .0      .0
REC13    *  85801  21474      .0      .0      .0      .0      .0      .3      .2
 .1      .1      .1      .1      .1      .0      .0      .0      .0
REC14    *  85811  21474      .0      .0      .0      .0      .0      .2      .3
 .1      .1      .1      .1      .1      .0      .0      .0      .0
REC15    *  85821  21474      .0      .0      .0      .0      .0      .2      .3
 .2      .1      .1      .1      .1      .0      .0      .0      .0
REC16    *  85751  21484      .0      .0      .0      .0      .0      .1      .3
 .2      .1      .1      .1      .1      .0      .0      .0      .0
REC17    *  85761  21484      .0      .0      .0      .0      .0      .0      .3
 .2      .1      .1      .1      .1      .0      .0      .0      .0
REC18    *  85771  21484      .0      .0      .0      .0      .0      .0      .3
 .2      .1      .1      .1      .1      .0      .0      .0      .0
REC19    *  85781  21484      .0      .0      .0      .0      .0      .0      .3
 .2      .1      .1      .1      .1      .0      .0      .0      .0
REC20    *  85791  21484      .0      .0      .0      .0      .0      .0      .2
 .2      .2      .1      .1      .1      .0      .0      .0      .0
REC21    *  85801  21484      .0      .0      .0      .0      .0      .0      .2
 .2      .1      .1      .1      .0      .0      .0      .0      .0
REC22    *  85811  21484      .0      .0      .0      .0      .0      .0      .2
 .2      .1      .1      .1      .1      .0      .0      .0      .0
REC23    *  85821  21484      .0      .0      .0      .0      .0      .0      .1
 .2      .2      .1      .1      .1      .0      .0      .0      .0
REC24    *  85761  21494      .0      .0      .0      .0      .0      .0      .2
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC25    *  85771  21494      .0      .0      .0      .0      .0      .0      .2
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC26    *  85781  21494      .0      .0      .0      .0      .0      .0      .2
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC27    *  85791  21494      .0      .0      .0      .0      .0      .0      .2
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC28    *  85801  21494      .0      .0      .0      .0      .0      .0      .2
 .1      .1      .0      .1      .0      .0      .0      .0      .0
REC29    *  85811  21494      .0      .0      .0      .0      .0      .0      .0
 .2      .1      .0      .1      .0      .0      .0      .0      .0
REC30    *  85821  21494      .0      .0      .0      .0      .0      .0      .0
 .2      .1      .0      .1      .0      .0      .0      .0      .0
REC31    *  85831  21494      .0      .0      .0      .0      .0      .0      .0
```

```
 .2      .2      .0      .1      .0      .0      .0      .0      .0
REC32    *  85771  21504      .0      .0      .0      .0      .0      .0      .2
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC33    *  85781  21504      .0      .0      .0      .0      .0      .0      .2
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC34    *  85791  21504      .0      .0      .0      .0      .0      .0      .1
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC35    *  85801  21504      .0      .0      .0      .0      .0      .0      .0
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC36    *  85811  21504      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
REC37    *  85821  21504      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
REC38    *  85831  21504      .0      .0      .0      .0      .0      .0      .0
 .1      .2      .0      .0      .0      .0      .0      .0      .0
REC39    *  85771  21514      .0      .0      .0      .0      .0      .0      .2
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC40    *  85781  21514      .0      .0      .0      .0      .0      .0      .1
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC41    *  85791  21514      .0      .0      .0      .0      .0      .0      .0
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC42    *  85801  21514      .0      .0      .0      .0      .0      .0      .0
 .1      .0      .0      .0      .0      .0      .0      .0      .0
REC43    *  85811  21514      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
REC44    *  85821  21514      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
REC45    *  85831  21514      .0      .0      .0      .0      .0      .0      .0
 .1      .1      .0      .0      .0      .0      .0      .0      .0
```

ATTACHMENT 4

Proposed Configuration

	*	X	Y	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
REC1	*	85751	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC2	*	85761	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC3	*	85771	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC4	*	85781	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC5	*	85791	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC6	*	85801	21464	0.000	0.000	0.000	0.000	0.000	0.400	0.300	0.200	0.100	0.200	0.200	0.200	0.000	0.000	0.000	0.000
REC7	*	85811	21464	0.000	0.000	0.000	0.000	0.000	0.400	0.300	0.200	0.100	0.200	0.200	0.200	0.000	0.000	0.000	0.000
REC8	*	85751	21474	0.000	0.000	0.000	0.000	0.000	0.400	0.300	0.200	0.100	0.200	0.200	0.200	0.000	0.000	0.000	0.000
REC9	*	85761	21474	0.000	0.000	0.000	0.000	0.000	0.300	0.300	0.200	0.100	0.200	0.200	0.200	0.000	0.000	0.000	0.000
REC10	*	85771	21474	0.000	0.000	0.000	0.000	0.000	0.300	0.300	0.200	0.100	0.200	0.200	0.200	0.000	0.000	0.000	0.000
REC11	*	85781	21474	0.000	0.000	0.000	0.000	0.000	0.200	0.400	0.200	0.200	0.200	0.200	0.200	0.000	0.000	0.000	0.000
REC12	*	85791	21474	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.200	0.200	0.200	0.200	0.200	0.000	0.000	0.000	0.000
REC13	*	85801	21474	0.000	0.000	0.000	0.000	0.000	0.300	0.200	0.100	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC14	*	85811	21474	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.100	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC15	*	85821	21474	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.200	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC16	*	85751	21484	0.000	0.000	0.000	0.000	0.000	0.100	0.300	0.200	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC17	*	85761	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.300	0.200	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC18	*	85771	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.300	0.200	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC19	*	85781	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.300	0.200	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC20	*	85791	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC21	*	85801	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.100	0.100	0.100	0.000	0.000	0.000	0.000	0.000
REC22	*	85811	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.100	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC23	*	85821	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200	0.100	0.100	0.100	0.000	0.000	0.000	0.000
REC24	*	85761	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC25	*	85771	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC26	*	85781	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC27	*	85791	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC28	*	85801	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.100	0.000	0.100	0.000	0.000	0.000	0.000	0.000
REC29	*	85811	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.100	0.000	0.000	0.000	0.000	0.000
REC30	*	85821	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.100	0.000	0.000	0.000	0.000	0.000
REC31	*	85831	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.000	0.100	0.000	0.000	0.000	0.000	0.000
REC32	*	85771	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC33	*	85781	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC34	*	85791	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC35	*	85801	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC36	*	85811	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC37	*	85821	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC38	*	85831	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC39	*	85771	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC40	*	85781	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC41	*	85791	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC42	*	85801	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC43	*	85811	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC44	*	85821	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC45	*	85831	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Proposed Configuration

	*	X	Y	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
REC1	*	85751	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC2	*	85761	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC3	*	85771	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC4	*	85781	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC5	*	85791	21464	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC6	*	85801	21464	0.000	0.000	0.000	0.000	0.000	0.040	0.030	0.020	0.010	0.020	0.020	0.020	0.000	0.000	0.000	0.000
REC7	*	85811	21464	0.000	0.000	0.000	0.000	0.000	0.040	0.030	0.020	0.010	0.020	0.020	0.020	0.000	0.000	0.000	0.000
REC8	*	85751	21474	0.000	0.000	0.000	0.000	0.000	0.040	0.030	0.020	0.010	0.020	0.020	0.020	0.000	0.000	0.000	0.000
REC9	*	85761	21474	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.020	0.010	0.020	0.020	0.020	0.000	0.000	0.000	0.000
REC10	*	85771	21474	0.000	0.000	0.000	0.000	0.000	0.030	0.030	0.020	0.010	0.020	0.020	0.020	0.000	0.000	0.000	0.000
REC11	*	85781	21474	0.000	0.000	0.000	0.000	0.000	0.020	0.040	0.020	0.020	0.020	0.020	0.020	0.000	0.000	0.000	0.000
REC12	*	85791	21474	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.020	0.020	0.020	0.020	0.020	0.000	0.000	0.000	0.000
REC13	*	85801	21474	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.010	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC14	*	85811	21474	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.010	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC15	*	85821	21474	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC16	*	85751	21484	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC17	*	85761	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC18	*	85771	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC19	*	85781	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC20	*	85791	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC21	*	85801	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000
REC22	*	85811	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC23	*	85821	21484	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.010	0.010	0.010	0.000	0.000	0.000	0.000
REC24	*	85761	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC25	*	85771	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC26	*	85781	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC27	*	85791	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC28	*	85801	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000
REC29	*	85811	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000
REC30	*	85821	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.010	0.000	0.000	0.000	0.000	0.000
REC31	*	85831	21494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.000	0.010	0.000	0.000	0.000	0.000	0.000
REC32	*	85771	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC33	*	85781	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC34	*	85791	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC35	*	85801	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC36	*	85811	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC37	*	85821	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC38	*	85831	21504	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC39	*	85771	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC40	*	85781	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC41	*	85791	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC42	*	85801	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC43	*	85811	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC44	*	85821	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC45	*	85831	21514	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Actual Concentration

Proposed Configuration

WIND DIRECTION	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	TOTAL
WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
DIRECTIONAL %	0.0672	0.0426	0.0262	0.0169	0.0213	0.0158	0.0101	0.0329	0.0818	0.0725	0.0724	0.0382	0.0693	0.2255	0.1044	0.0711	0.9682
REC1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC6	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.006
REC7	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.006
REC8	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.006
REC9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.006
REC10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.006
REC11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.007
REC12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.006
REC13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.003
REC22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.004
REC24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC26	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC27	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC28	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.002
REC29	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.002
REC30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.002
REC31	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003
REC32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC33	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC34	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC36	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC37	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC38	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
REC39	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC41	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC42	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REC43	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC44	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
REC45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001

Weighted

Existing Configuration

	*	X	Y	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
REC1	*	85751	21464	0.100	0.400	0.500	0.600	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.300	0.300	0.300
REC2	*	85761	21464	0.100	0.400	0.500	0.600	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.300	0.300	0.300
REC3	*	85771	21464	0.100	0.400	0.500	0.600	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.300	0.300
REC4	*	85781	21464	0.100	0.400	0.500	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.300	0.300
REC5	*	85791	21464	0.100	0.400	0.500	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.300	0.300
REC6	*	85801	21464	0.100	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC7	*	85811	21464	0.100	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC8	*	85751	21474	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC9	*	85761	21474	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC10	*	85771	21474	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC11	*	85781	21474	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC12	*	85791	21474	0.200	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC13	*	85801	21474	0.200	0.200	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC14	*	85811	21474	0.200	0.200	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC15	*	85821	21474	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC16	*	85751	21484	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC17	*	85761	21484	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC18	*	85771	21484	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC19	*	85781	21484	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC20	*	85791	21484	0.200	0.200	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100
REC21	*	85801	21484	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.100	0.200
REC22	*	85811	21484	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC23	*	85821	21484	0.200	0.200	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC24	*	85761	21494	0.200	0.200	0.300	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC25	*	85771	21494	0.200	0.200	0.300	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC26	*	85781	21494	0.200	0.200	0.300	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC27	*	85791	21494	0.200	0.200	0.300	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC28	*	85801	21494	0.200	0.200	0.300	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC29	*	85811	21494	0.200	0.200	0.300	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC30	*	85821	21494	0.200	0.200	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.200	0.200
REC31	*	85831	21494	0.200	0.200	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC32	*	85771	21504	0.300	0.300	0.300	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC33	*	85781	21504	0.300	0.300	0.300	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC34	*	85791	21504	0.300	0.300	0.300	0.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC35	*	85801	21504	0.300	0.300	0.300	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC36	*	85811	21504	0.300	0.300	0.300	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC37	*	85821	21504	0.300	0.300	0.300	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC38	*	85831	21504	0.300	0.300	0.300	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.200	0.200
REC39	*	85771	21514	0.400	0.400	0.500	0.700	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.300	0.300	0.300
REC40	*	85781	21514	0.400	0.400	0.500	0.700	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.300	0.300	0.400
REC41	*	85791	21514	0.400	0.400	0.500	0.600	0.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.300	0.300	0.300
REC42	*	85801	21514	0.400	0.400	0.500	0.600	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.100	0.300	0.300	0.300
REC43	*	85811	21514	0.400	0.400	0.500	0.600	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.300	0.300
REC44	*	85821	21514	0.400	0.400	0.500	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.300	0.300
REC45	*	85831	21514	0.400	0.400	0.500	0.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	0.300	0.300	0.300

Existing Configuration

	*	X	Y	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
REC1	*	85751	21464	0.010	0.040	0.050	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.030	0.030
REC2	*	85761	21464	0.010	0.040	0.050	0.060	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.030	0.030
REC3	*	85771	21464	0.010	0.040	0.050	0.060	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.030
REC4	*	85781	21464	0.010	0.040	0.050	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.030
REC5	*	85791	21464	0.010	0.040	0.050	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.030
REC6	*	85801	21464	0.010	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC7	*	85811	21464	0.010	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC8	*	85751	21474	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC9	*	85761	21474	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC10	*	85771	21474	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC11	*	85781	21474	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC12	*	85791	21474	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC13	*	85801	21474	0.020	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC14	*	85811	21474	0.020	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC15	*	85821	21474	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC16	*	85751	21484	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC17	*	85761	21484	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC18	*	85771	21484	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC19	*	85781	21484	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC20	*	85791	21484	0.020	0.020	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010
REC21	*	85801	21484	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.020
REC22	*	85811	21484	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC23	*	85821	21484	0.020	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC24	*	85761	21494	0.020	0.020	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC25	*	85771	21494	0.020	0.020	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC26	*	85781	21494	0.020	0.020	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC27	*	85791	21494	0.020	0.020	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC28	*	85801	21494	0.020	0.020	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC29	*	85811	21494	0.020	0.020	0.030	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC30	*	85821	21494	0.020	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.020	0.020
REC31	*	85831	21494	0.020	0.020	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC32	*	85771	21504	0.030	0.030	0.030	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC33	*	85781	21504	0.030	0.030	0.030	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC34	*	85791	21504	0.030	0.030	0.030	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC35	*	85801	21504	0.030	0.030	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC36	*	85811	21504	0.030	0.030	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC37	*	85821	21504	0.030	0.030	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC38	*	85831	21504	0.030	0.030	0.030	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020	0.020
REC39	*	85771	21514	0.040	0.040	0.050	0.070	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.030	0.030
REC40	*	85781	21514	0.040	0.040	0.050	0.070	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.030	0.040
REC41	*	85791	21514	0.040	0.040	0.050	0.060	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.030	0.030
REC42	*	85801	21514	0.040	0.040	0.050	0.060	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.030	0.030	0.030
REC43	*	85811	21514	0.040	0.040	0.050	0.060	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.030
REC44	*	85821	21514	0.040	0.040	0.050	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.030
REC45	*	85831	21514	0.040	0.040	0.050	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.030	0.030	0.030

Actual Concentration

Existing Configuration

WIND DIRECTION	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	TOTAL
WIND DIRECTION	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	
DIRECTIONAL %	0.0672	0.0426	0.0262	0.0169	0.0213	0.0158	0.0101	0.0329	0.0818	0.0725	0.0724	0.0382	0.0693	0.2255	0.1044	0.0711	0.9682
REC1	0.0007	0.0017	0.0013	0.0010	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0068	0.0031	0.0021	0.0178
REC2	0.0007	0.0017	0.0013	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0068	0.0031	0.0021	0.0176
REC3	0.0007	0.0017	0.0013	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0068	0.0031	0.0021	0.0183
REC4	0.0007	0.0017	0.0013	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0068	0.0031	0.0021	0.0181
REC5	0.0007	0.0017	0.0013	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0068	0.0031	0.0021	0.0181
REC6	0.0007	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0038
REC7	0.0007	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0038
REC8	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC9	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC10	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC11	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC12	0.0013	0.0009	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0042
REC13	0.0013	0.0009	0.0005	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0046
REC14	0.0013	0.0009	0.0005	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0046
REC15	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC16	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC17	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC18	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC19	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0045
REC20	0.0013	0.0009	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0042
REC21	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0010	0.0014	0.0074
REC22	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0085
REC23	0.0013	0.0009	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0085
REC24	0.0013	0.0009	0.0008	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0093
REC25	0.0013	0.0009	0.0008	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0093
REC26	0.0013	0.0009	0.0008	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0091
REC27	0.0013	0.0009	0.0008	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0091
REC28	0.0013	0.0009	0.0008	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0091
REC29	0.0013	0.0009	0.0008	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0089
REC30	0.0013	0.0009	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	0.0014	0.0087
REC31	0.0013	0.0009	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0110
REC32	0.0020	0.0013	0.0008	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0128
REC33	0.0020	0.0013	0.0008	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0128
REC34	0.0020	0.0013	0.0008	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0128
REC35	0.0020	0.0013	0.0008	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0126
REC36	0.0020	0.0013	0.0008	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0126
REC37	0.0020	0.0013	0.0008	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0126
REC38	0.0020	0.0013	0.0008	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0021	0.0014	0.0124
REC39	0.0027	0.0017	0.0013	0.0012	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0068	0.0031	0.0021	0.0200
REC40	0.0027	0.0017	0.0013	0.0012	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0068	0.0031	0.0028	0.0207
REC41	0.0027	0.0017	0.0013	0.0010	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0068	0.0031	0.0021	0.0199
REC42	0.0027	0.0017	0.0013	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0068	0.0031	0.0021	0.0197
REC43	0.0027	0.0017	0.0013	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0068	0.0031	0.0021	0.0203
REC44	0.0027	0.0017	0.0013	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0068	0.0031	0.0021	0.0201
REC45	0.0027	0.0017	0.0013	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0068	0.0031	0.0021	0.0201

Weighted