Circulation Draft

Initial Study and Mitigated Negative Declaration

Merced Avenue Stormwater Capture Project CIP No. 089

Lead Agency:

City of El Monte
11333 Valley Boulevard
El Monte, CA 91731

Prepared By:

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May 21, 2026

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Appendix A - Merced Avenue Stormwater Capture Air Quality Analysis. Urban Crossroads, Inc. December 15, 2025.

Appendix B - Arborist Report El Monte Merced Avenue Stormwater Capture Project, Craftwater/ City of El Monte, California. GHD. January 24, 2025.

Appendix B1- Merced Avenue Stormwater Capture Project Delineation of Jurisdictional Waters, Osprey Environmental Associates, Inc. April 2026.

Appendix C - Cultural Resource Services for the Merced Avenue Stormwater Capture CIP 003 Phase 2 Project, City of El Monte, Los Angeles County, California. Duke CRM. February 3, 2026.

Appendix D - CEQA- Level Geologic and Geotechnical Review, City of El Monte, Stormwater Capture Project CIP 003, Phase 2, Rio Hondo Channel from Merced Avenue (North of Rio Hondo Parkway) to Brockway Street, City of El Monte, California. Verdantas. January 9, 2026.

Appendix E - Merced Avenue Stormwater Capture Greenhouse Gas Analysis. Urban Crossroads, Inc. December 24, 2025.

Appendix F - Merced Avenue Stormwater Capture Noise and Vibration Analysis. Urban Crossroads, Inc. January 19, 2026.

CHAPTER ONE – INTRODUCTION

1.1 Purpose and Authority

This Initial Study/Mitigated Negative Declaration ("IS/MND") has been prepared in accordance with the California Environmental Quality Act (California Public Resources Code §§ 21000 *et seq.*), and the CEQA guidelines (California Code of Regulations, Title 14, § 15000 *et seq.*), ("CEQA") to evaluate the potential environmental impacts associated with the implementation of the proposed California Street and Redlands Boulevard Intersection Widening Project ("Project") located at the northwest corner of the Redlands Boulevard and California Street intersection in the City of Redlands, California. This IS/MND is intended to serve as an informational document for the public agency decision makers and the public regarding the Project.

1.2 Documents Incorporated by Reference

As permitted by Section 15150 of the CEQA Guidelines, this IS/MND references several technical studies and analyses. Information from the documents incorporated by reference is briefly summarized in the appropriate section(s). The relationship between the incorporated part of the referenced document and the IS/MND has also been described. The documents and other sources used in the preparation of this IS/MND include, but are not limited to:

- City of El Monte General Plan (Adopted June 2011, Updated June 2022)
- City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
- City of El Monte Municipal Code, current edition (2025)
- El Monte General Plan LU-1 Land Use Policy Plan (June 20, 2023)

1.3 Documents Prepared for the Project

The stand-alone technical studies prepared for the Project are appended to the IS/MND as follows:

- Air Quality (Appendix A)
- Arborist Report (Appendix B)
- Jurisdiction Delineation (Appendix B1)
- Pending- Cultural and Paleontological Resources Assessment (Appendix C)
- Geotechnical (Appendix D)
- Greenhouse Gas Analysis (Appendix E)
- Noise and Vibration Analysis (Appendix F)

CHAPTER TWO – ENVIRONMENTAL CHECKLIST

2.1 Project Summary

1. Project Title
Merced Avenue Stormwater Capture Project CIP No. 089

2. Lead Agency Name and Address
City of El Monte, Public Works Department
11333 Valley Boulevard
El Monte, CA 91731

3. Contact Person and Email
Tim Fairbank, PE
Director of Hydrology & Hydraulics
Tim.Fairbank@craftwater.com

4. Project Location
The City of El Monte ("City") is located within Los Angeles County, in the western San Gabriel Valley region of Southern California, refer to *Figure 1: Regional Map*. It lies approximately 12 miles east of Downtown Los Angeles and is bordered by the cities of South El Monte to the south, Baldwin Park to the east, Irwindale to the north, and Rosemead to the west.

The City is situated near the San Gabriel River, with the San Gabriel Mountains located to the north, providing a regional geographic backdrop. The City is well connected by major transportation corridors, including Interstate 10 (San Bernardino Freeway), State Route 60 (Pomona Freeway), and Interstate 605, which run through or adjacent to the city and link it to surrounding communities and the greater Los Angeles metropolitan area

The Project encompasses approximately 2.56 acres and includes 0.35 miles of channel located on six (6) irregular shaped parcels that contain a drainage easement: Accessor's Parcel Numbers (APNs: 858-100-9900, 858-101-0900, 858-101-1902, 858-101-0033, 858-100-9902, 858-100-9903), refer to *Figure 2: Project Boundary* and *Figure 3: Accessor's Parcel Number.* The Project site is situated in an urbanized area, surrounded by the Rio Hondo Channel and single-family residences to the north, with the I-10 Freeway located further north, multi-family residences to the west, multi-family residences to the south, and single-family residences to the east. The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The site is currently fully developed and includes a concrete channel, concrete driveways at Merced Avenue and Brockway Street, an asphalt maintenance road that runs parallel to the channel and associated stormwater infrastructure at Merced Avenue and Brockway Street. Ornamental trees line the northern and southern boundaries of the site providing buffer between the surrounding residential uses and the channel.

5. Project Applicant's Name and Address

Jerry Moreno
City of El Monte
11333 Valley Boulevard
El Monte, CA 91731

6. General Plan Designation

Existing: Public and Institutional.

Proposed: No Change.

7. Zoning

Existing: R-3 (Medium, Multi-family residential), R-1A (One Family Dwelling).

Proposed: No Change.

8. Project Description

The City proposes to replace the City-owned El Monte Storm Drain between Merced Avenue and Brockway Street utilizing funding from the Los Angeles County's Safe Clean Water Program (SCWP) ("Project"). The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail.

According to the City's Land Use Policy Plan (adopted June 20, 2023), the Project site is designated Public and Institutional. According to the City's Interactive Zoning Map (dated May 14, 2025), the Project site has various zoning designations, which are identified in *Table 1: Surrounding Land Uses* below. The Project site is located in an urbanized, built-up environment within the southwestern portion of the City. Uses surrounding the site include residential development. North of the site is designated Low Density Residential and south of the site is designated Medium Density Residential (Land Use Policy Plan).

The site is currently fully developed and includes a concrete channel, concrete driveways at Merced Avenue and Brockway Street, an asphalt maintenance road that runs parallel to the channel and associated stormwater infrastructure at Merced Avenue and Brockway Street. Ornamental trees line the northern and southern boundaries of the site providing buffer between the surrounding residential uses and the channel.

The existing channel accepts flow from storm drains along Garvey Avenue and Merced Avenue. Proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Diverted water will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end. The bioswale will have a ponding depth of 0.75 feet, a footprint area of 0.3 acres, and a storage volume of 0.23 acre-feet. The bioswale will also be underlain by a subsurface passive irrigation system, which will allow a portion of the infiltrated water to be stored for future use by vegetation on the surface.

Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site.

The area of disturbance for the Project is approximately 2.56 acres and will be limited to the Rio Hondo Channel, Merced Avenue and Brockway Street. Construction is anticipated to commence in May 2027 and be completed by December 2028.

9. Surrounding Land Uses and Setting

Land uses surrounding the Project site primarily consist of developed land including multi-family residences, single-family residences, the Rio Hondo Channel, an elementary school, and the I-10 freeway. Specific land uses located in the immediate vicinity of the Project site are provided in *Table 1: Surrounding Land Uses* below.

Table 1: Surrounding Land Uses

Location	Existing Land Use	Land Use / Zoning Designation
Project Site	Concrete channel, concrete driveways at Merced Avenue and Brockway Street, an asphalt maintenance road parallel to the channel, and associated stormwater infrastructure.	Public and Institutional; R-3 (Medium, Multi-family residential) and R-1A (One Family Dwelling)
North	Rio Hondo Channel and single-family residences	Public and Institutional; RW River/Wash) and Low density residential; R-1A (One Family Dwelling)
South	Mult-family residences	Medium Density Residential; R-3 (Medium, Muli-family residential)
East	Merced Avenue and single-family residences	Low Density Residential; R-1A (One Family Dwelling)
West	Mult-family residences	Medium Density Residential; R-3 (Medium, Muli-family residential)

10. Other Public Agencies Whose Approval is Required

(e.g., permits, financing approval, or participation agreement)

- Municipal Separate Storm Sewer System (MS4)

11. California Native American Tribes

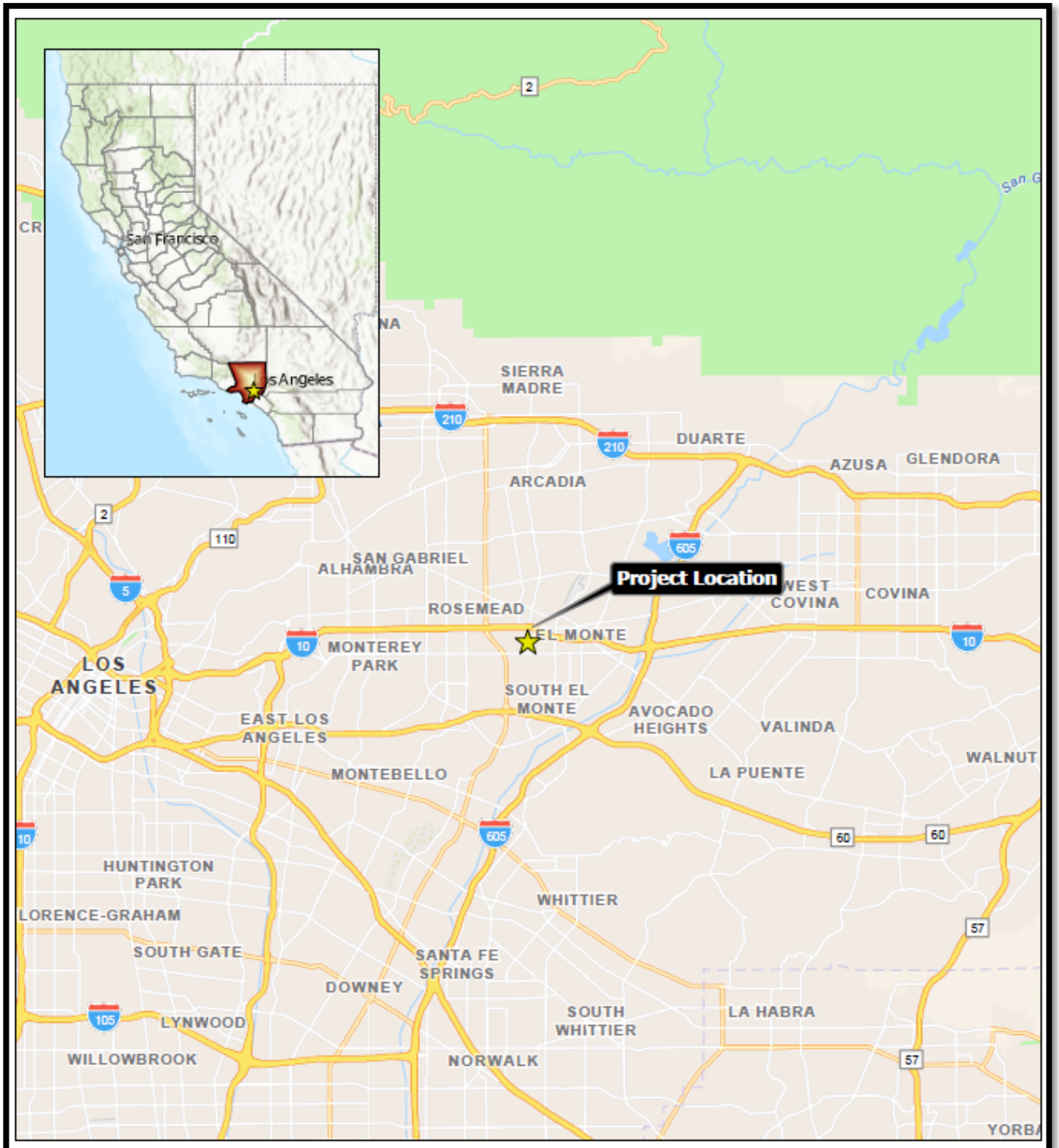
Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is

there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

The City, as Lead Agency, commenced the AB 52 process by transmitting letters of notification on November 24, 2025, to eight (8) tribes that are traditionally and/or culturally affiliated with the Project area or have specifically requested notice for all projects within the City. The tribes included in the notification were the Cahuilla Band of Indians, Gabrieleño Band of Mission Indians – Kizh Nation, Gabrieleño/Tongva San Gabriel Band of Mission Indians, Gabrielino Tongva Indians of California Tribal Council, Gabrielino/Tongva Nation, Gabrielino-Tongva Tribe, Santa Rosa Band of Cahuilla Indians, and Soboba Band of Luiseno Indians.

The City received requests for consultation from the Gabrieleño Band of Mission Indians – Kizh Nation on December 8, 2025. The City responded on December 8, 2025 resulting in a phone call completed on January 22, 2026. The City has therefore complied with the requirements of AB 52.



CASC Engineering and Consulting

N

0 2.5 5 10 Miles

Figure 1 Regional Map

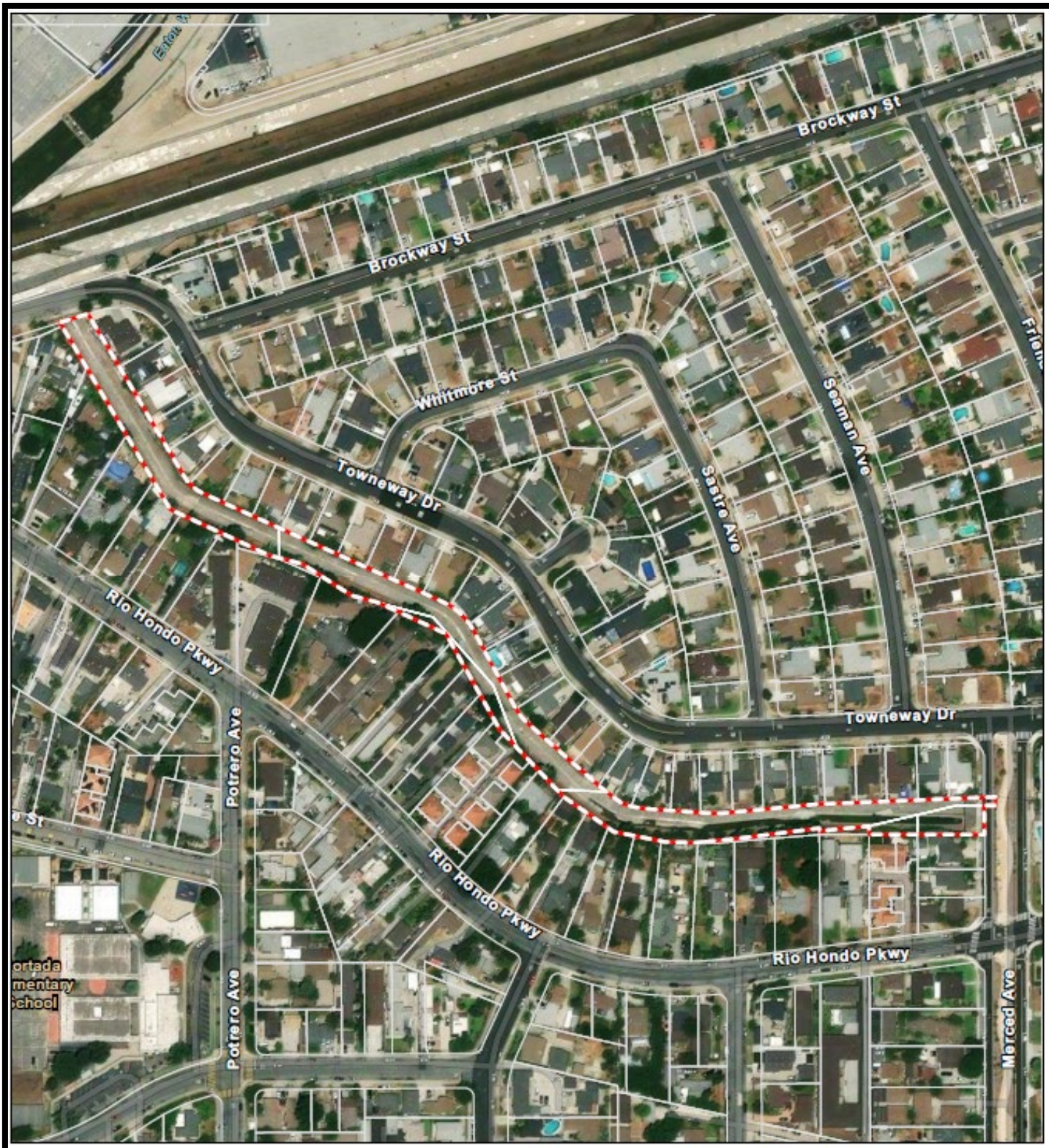
Merced Ave. Stormwater Capture Project
CIP No. 089

El Monte

County of Los Angeles

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, USGS

APN: 858-100-9900, 858-101-0900, 858-101-1902, 858-101-0033, 858-100-9902, 858-100-9903



CASC Engineering and Consulting

N

0 200 400 800 US Feet

Figure 2 Project Boundary

Merced Ave. Stormwater Capture Project

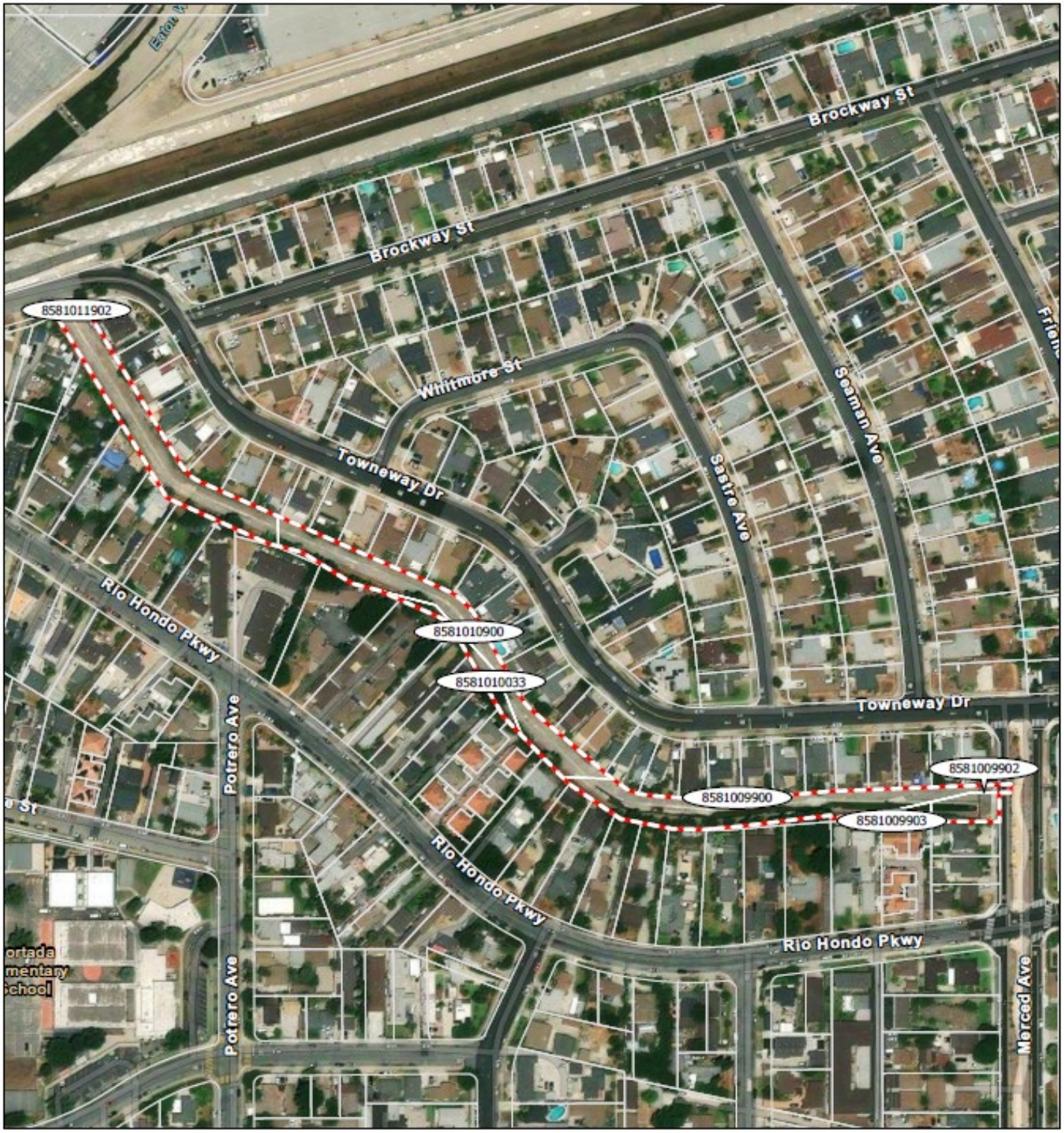
CIP No. 089

El Monte

County of Los Angeles

Microsoft, Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

APN: 858-100-9900, 858-101-0900, 858-101-1902, 858-101-0033, 858-100-9902, 858-100-9903



CASC Engineering and Consulting

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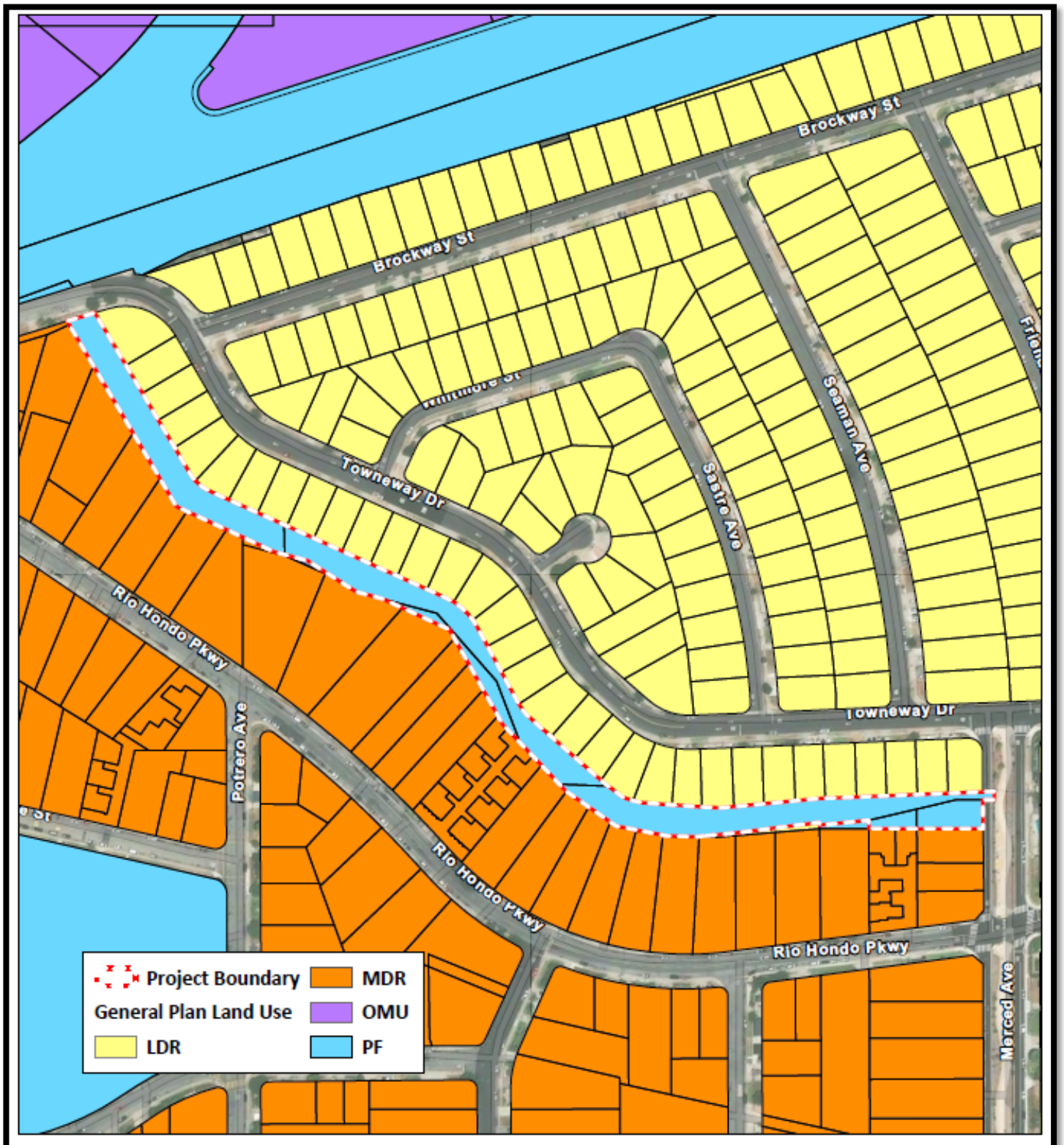
Figure 3 Assessor's Parcel Number

Merced Ave. Stormwater Capture Project
CIP No. 089

El Monte
County of Los Angeles

Microsoft, Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

APN: 858-100-9900, 858-101-0900, 858-101-1902, 858-101-0033, 858-100-9902, 858-100-9903



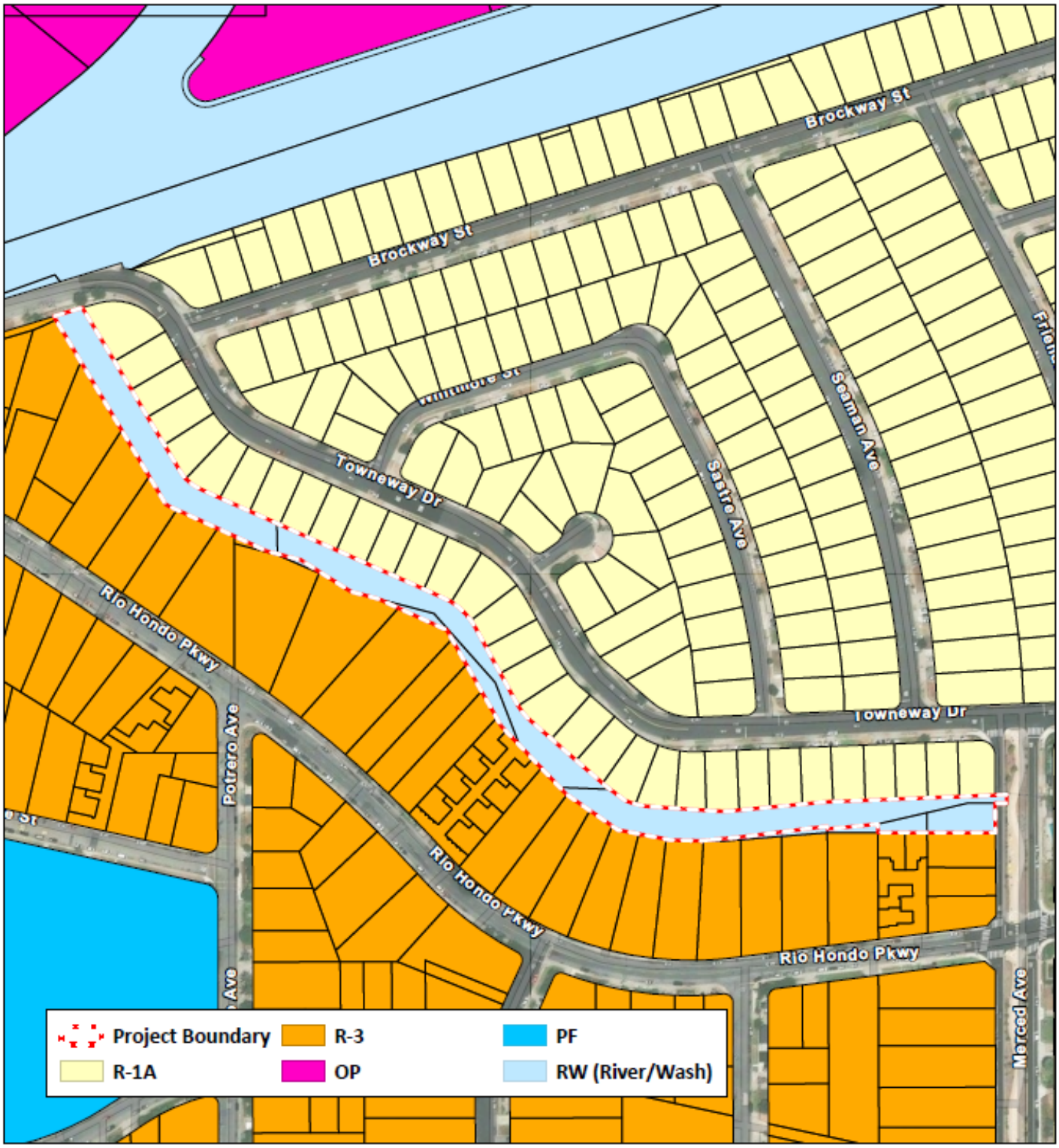
CASC Engineering and Consulting

Figure 4 General Plan Land Use

Merced Ave. Stormwater Capture Project
CIP No. 089
El Monte
County of Los Angeles

Microsoft, Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

APN: 858-100-9900, 858-101-0900, 858-101-1902, 858-101-0033, 858-100-9902, 858-100-9903



CASC Engineering and Consulting

N

Figure 5 Zoning

Merced Ave. Stormwater Capture Project
CIP No. 089

0 200 400 800 US Feet

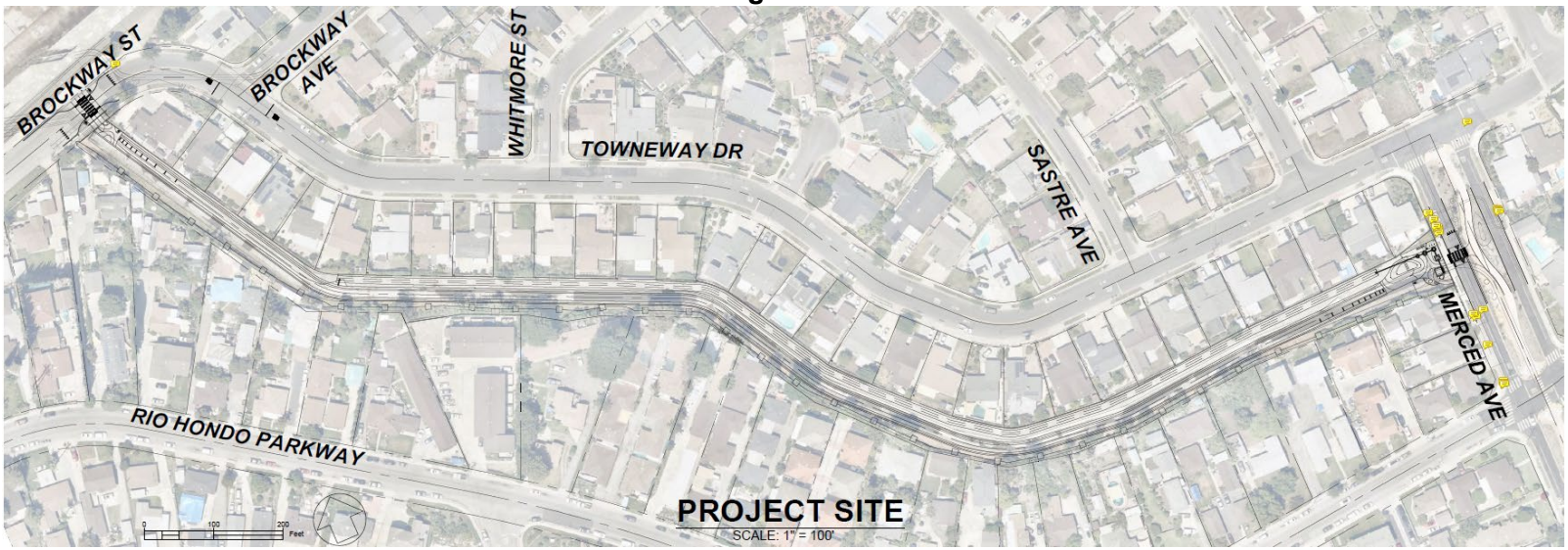
El Monte

County of Los Angeles

Microsoft, Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

APN: 858-100-9900, 858-101-0900, 858-101-1902, 858-101-0033, 858-100-9902, 858-100-9903

Figure 6: Site Plan



2.1 Environmental Factors Potentially Affected

The environmental factors checked below (☒) would be potentially affected by this Project, involving at least one impact that is a "Potentially Significant Impact" of "Less than Significant Impact with Mitigation Incorporated" as indicated by the checklist on the following pages.

☐	Aesthetics	☐	Agriculture and Forestry Resources	☐	Air Quality
☒	Biological Resources	☒	Cultural Resources	☐	Energy
☒	Geology/Soils	☐	Greenhouse Gas Emissions	☐	Hazards & Hazardous Materials
☐	Hydrology/Water Quality	☐	Land Use/Planning	☐	Mineral Resources
☐	Noise	☐	Population/Housing	☐	Public Services
☐	Recreation	☐	Transportation/Traffic	☒	Tribal Cultural Resources
☐	Utilities/Service Systems	☐	Wildfire	☒	Mandatory Findings of Significance

2.2 Determination

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION has been prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been adequately analyzed in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Jerry Moreno
City of El Monte

Date 8/25/26

2.3 Evaluation of Environmental Impacts

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the Project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors, as well as general standards (e.g., the Project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less Than Significant Impact with Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross referenced).

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

    a) **Earlier Analysis Used.** Identify and state where they are available for review.

    b) **Impacts Adequately Addressed.** Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

    c) **Mitigation Measures.** For effects that are "Less than Significant Impact with Mitigation Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the Project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A source list should be attached, and other sources used, or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify:

   a) the significance criteria or threshold, if any, used to evaluate each question; and

   b) the mitigation measure identified, if any, to reduce the impact to less than significant.

CHAPTER THREE – INITIAL STUDY CHECKLIST AND SUBSTANTIATION

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
I.Aesthetics – Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) Substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☐	☒
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 2 – Community Design Element (2011 & 2022)
   - Chapter 3 – Land Use Element (2011& 2022)
   - Chapter 5 – Parks and Recreation Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. City of El Monte Municipal Code, Title 17, Division 6 – General Property Development Standards, Chapter 17.60 – General Development Standards
4. California Department of Transportation. List of Eligible and Officially Designated State Scenic Highways. 2018. Accessed January 20, 2026. California State Scenic Highway System Map (arcgis.com)

Discussion of Impacts

a) Would the project have a substantial adverse effect on a scenic vista?

No Impact: The City of El Monte is a highly urbanized community within the San Gabriel Valley characterized by a mix of residential, commercial, industrial, and civic land uses. Scenic vistas within the City are generally limited and consist primarily of localized views of neighborhood parks, landscaped public facilities, and tree-lined streets that provide visual relief within the developed urban environment. Peck Water Conservation Park is

the nearest scenic vista to the Project site and is located approximately 2.8 miles northeast. The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared-use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. These improvements would occur within an existing urban corridor and are intended to enhance public access and visual quality rather than obstruct views. Given the distance to the nearest scenic vista and the urbanized setting of the Project site, the Project would not obstruct or degrade views associated with a scenic vista. Therefore, no impact would occur.

b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact: The Project site is not located within or adjacent to a scenic highway corridor and does not contain scenic resources, such as rock outcroppings or historic buildings. The nearest State-designated scenic highway is State Route 2 (SR-2), located approximately 13.2 miles northwest of the Project site. Additionally, the nearest State-eligible scenic highway is State Route 39 (SR-39) located within the City limits approximately 11.2 miles northeast of the Project site. Therefore, Project impacts on scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway would not occur.

c) In nonurbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

No Impact: The Project site is surrounded by the Rio Hondo Channel and single-family residences to the north, with the I-10 Freeway located further north, multi-family residences to the west, multi-family residences to the south, and single-family residences to the east. The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. As part of the City's General Plan, the Parks and Recreation Element aims to restore balance between the built and natural environment to enhance residents' quality of life. It emphasizes developing interconnected parkways and medians for walking, biking, and equestrian use; establishing a community forest to improve air quality, provide shade, and beautify the city; and creating miniparks along greenways and trails to offer recreational and cultural opportunities. The Project is located within an urbanized area and would not conflict with applicable zoning or General Plan policies governing scenic quality; therefore, no impact would occur, as the proposed stormwater improvements, water quality enhancements, and shared-use path and pedestrian connections between Merced Linear Park and the Rio Hondo River Trail would enhance public access and the existing visual character in a manner consistent with the City's General Plan.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less than Significant Impact: The proposed Project is located in a developed area with existing lighting sources from commercial business, streetlights, traffic signals, single and multi-family residences, and an elementary school. The proposed Project would include pedestrian gates to be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. Per section 17.60.050-Outdoor Lighting of the City's Zoning Ordinance, lighting at the Project site would be arranged in a manner that would ensure adequate lighting for public safety while also minimizing light pollution and glare that preclude public nuisances (e.g., unusually high intensity or poor directional lighting that intrudes into neighboring properties or public rights-of-way). Though the Project would introduce new sources of lighting during nighttime hours through the motion detection lighting, the proposed Project would be required to adhere to City regulations. Conformance with the Zoning ordinance would minimize the potential for the Project to result in adverse light and glare impacts. Therefore, additional light sources are not anticipated to be substantial enough to adversely affect day or nighttime views in the area, a less than significant impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
II. Agriculture and Forestry Resources – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to the information compiled by the California Department of Forestry and Fire Protection regarding the State's inventory of forest land, including the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined by Public Resource Code section 122220(g)), timberland (as defined by Public Resource Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104 (g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 2 – Community Design Element (2011 & 2022)
   - Chapter 3 – Land Use Element (2011& 2022)
   - Chapter 9 – Cultural Resources Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft, May 2011

3. California Department of Conservation (CDC). California Important Farmland Finder (CIFF). 2018. Accessed January 20, 2026. DLRP Important Farmland Finder (ca.gov)

Discussion of Impacts

a) Would the project convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use?

No Impact: The CDC Farmland Mapping and Monitoring Program (FMMP) identifies and maps significant farmland. Farmland is classified using a system of five categories including Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance or Potential, and Grazing Land. The classification of farmland is determined by a soil survey conducted by the Natural Resources Conservations Service (NRCS) which analyses the suitability of soils for agricultural production. Based on the California Important Farmland Finder, the Project site is classified as "Urban and Built-Up Land". Therefore, the proposed Project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural use. No impact would occur.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact: The Project site is currently zoned as R-1A (One Family Dwelling) and R-3 (Medium, Multi-family residential). According to the City's General Plan and Zoning Code Update Draft Environmental Impact Report (EIR), the Project site is not subject to a Williamson Act Contract. Additionally, there are no properties within the Project's vicinity subject to a Williamson Act Contract. Therefore, the proposed Project would have no potential to conflict with existing zoning for agricultural use, or a Williamson Act contract. No impact would occur.

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined by Public Resource Code section 122220(g)), timberland (as defined by Public Resource Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104 (g))?

No Impact: The Project site is designated as Public and Institutional. According to the City's Zoning Map, the Project site is not located within or adjacent to forest land, timberland, or timberland zoned Timberland Production. Therefore, no impact would occur.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact: The Project site is currently fully developed and includes a concrete channel, concrete driveways at Merced Avenue and Brockway Street, an asphalt maintenance road that runs parallel to the channel and associated stormwater infrastructure at Merced Avenue and Brockway Street. Ornamental trees line the northern and southern boundaries

of the site providing buffer between the surrounding residential uses and the channel. Thus, the proposed Project would not result in the conversion of forest land to non-forest use. No impact would occur.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or conversion of forest land to non-forest use?

No Impact: As previously discussed under Section II (a), the Project site is classified as "Urban and Built-Up Land" by the California Department of Conservation and does not meet the definition of Farmland (i.e., "Prime Farmland," "Unique Farmland," or "Farmland of Statewide Importance"). The Project site contains no active agricultural uses under existing conditions. Accordingly, implementation of the Project would not convert areas on the subject property classified as Farmland to non-agricultural use. Additionally, neither the Project site nor its surroundings contain forest land. Therefore, the Project would not result in the conversion of forest land to non-forest use. No impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. Air Quality – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) 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?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people)?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 10 – Public Health and Safety Element (2022)
   - Chapter 11 – Health and Wellness Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. NAAQS/CAAQS and Attainment Status for South Coast Air Basin (September 2018). PDF
4. South Coast AQMD 2022 Air Quality Management Plan, Adopted December 2, 2022.
5. Merced Avenue Stormwater Capture Air Quality Analysis. Urban Crossroads, Inc. December 15, 2025. (Appendix A)

Discussion of Impacts

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant Impact: The Project site is located within the South Coast Air Basin (SCAB) and is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. The SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards through the implementation of an Air Quality Management Program (AQMP) and works directly with the Southern California Association of Governments (SCAG).

Currently, the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) are exceeded in most parts of the SCAB. The attainment

status of criteria pollutants in the SCAB is shown in *Table 3-1: Attainment Status of Criteria Pollutants in the SCAB* below, with the Los Angeles area having the highest level of ozone (smog) in the United States. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. The most recent AQMP for the SCAB is the 2022 Air Quality Management Plan which was developed to address the requirements for meeting the 2015 NAAQS for ground-level ozone.

Table 3-1 Attainment Status of Criteria Pollutants in the SCAB

Criteria Pollutant	State Designation	Federal Designation
O_3 – 1-hour standard	Nonattainment	--
O_3 – 8-hour standard	Nonattainment	Nonattainment
PM_{10}	Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO_2	Attainment	Unclassifiable/Attainment
SO_2	Attainment	Unclassifiable/Attainment
Pb	Attainment	Nonattainment (Partial)

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the 1993 CEQA Handbook. These indicators are discussed below:

Criteria One: The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations under this criterion refer to the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded. As evaluated, the Project's regional and localized construction and operational-source emissions would not exceed applicable regional significance thresholds. As such, a less than significant impact is expected. On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

Criteria Two: The Project will not exceed the assumptions in the AQMP based on the years of Project buildout phase.

The 2022 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in the City of El Monte General Plan is considered to be consistent with the AQMP. Peak day emissions

generated by construction activities are largely independent of land use assignments but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result. The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase. On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion. Therefore, the proposed Project would not conflict with or obstruct implementation of the SCAB AQMP and a less than significant impact would occur.

b) 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?

Less than Significant Impact: The CAAQS designates the Project site as nonattainment for O3 (1-hour and 8-hour), PM10, and PM2.5 and the NAAQS designates the Project site as nonattainment for O3 (8-hour) and PM2.5. The AQMP states that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable. The following analysis is based on the Air Quality Analysis prepared by Urban Crossroads (Appendix A).

The SCAQMD has developed regional significance thresholds for criteria pollutants, as summarized in *Table 3-2: Maximum Daily Regional Emissions Thresholds*. The SCAQMD's CEQA Air Quality Significance Thresholds indicate that any projects in the South Coast Air Basin (SCAB) with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

Table 3-2: Maximum Daily Regional Emissions Thresholds

Pollutant	Construction
NO_x	100 lbs/day
VOC	75 lbs/day
PM_{10}	150 lbs/day
$PM_{2.5}$	55 lbs/day
SO_x	150 lbs/day
CO	550 lbs/day

Construction Related Impacts

SCAQMD Rules that are currently applicable during the construction phase of the Project include but are not limited to Rule 403 (Fugitive Dust) and Rule 1113 (Architectural Coatings). Rule 403 is intended to reduce the amount of particulate matter entrained in

the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities. This rule is intended to reduce PM10 emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust.

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide Southern California residents information about the air quality conditions. The Project site is located within SRA 9. Within SRA 9, the East San Gabriel Valley 1 monitoring station is located approximately 8.97 miles northeast of the Project site and reports air quality data for O3, CO, NO2, PM10 and PM2.5 for 2023 only. Therefore, as shown below, the following stations' air quality data is reported for each year.

- SRA 9 (East San Gabriel Valley 1 – 8.97 miles northeast of the Project site) – CO, O3 and NO2, PM10, PM2.5 for 2022.
- SRA 9 (East San Gabriel Valley 2 – 12.95 miles northeast of the Project site) – CO, O3 and NO2, PM10, for 2023 and 2024.
- SRA 8 (West San Gabriel Valley – 5.98 miles northwest of the Project site) – PM2.5, for 2023 and 2024.

Project construction is expected to commence in May 2027 and would last through December 2028. The construction schedule utilized in the analysis performed by Urban Crossroads for the Project specific Air Impact Analysis utilizes a "worst-case" scenario should construction continue after the respective dates (Appendix A). Construction activities associated with the Project would result in emissions of VOCs, NOX, SOX, CO, PM10, and PM2.5. Construction related emissions are expected from the following construction activities:

- Linear, Grubbing & Land Clearing
- Linear, Grading & Excavation
- Linear, Drainage, Utilities, & Sub-Grade
- Linear, Paving

Table 3-3: Construction Equipment and Duration identifies the expected duration of construction activity and associated equipment with each phase of the Project. Consistent with industry standards and typical construction practices, each piece of equipment listed in *Table 3-3* will operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the Municipal Code.

Table 3-3: Construction Equipment Assumptions and Duration

Activity	Equipment	Quantity	Duration (days)
Linear, Grubbing & Land Clearing	Excavators	2	44
	Signal Boards	2	
Linear, Grading and Excavation	Rollers	1	262
	Excavators	2	
	Signal Boards	2	
	Tractors/Loaders/Backhoes	1	
	Graders	1	
Linear, Drainage, Utilities, and Sub-Grade	Tractors/Loaders/Backhoes	1	218
	Signal Boards	2	
	Graders	1	
	Plate Compactors	1	
	Pumps	1	
	Air Compressors	1	
	Generator Sets	1	
	Excavators	1	
Linear, Paving	Rollers	1	100
	Paving Equipment	1	
	Pavers	1	
	Signal Boards	2	
	Tractors/Loaders/Backhoes	1	

The estimated maximum daily construction emissions without mitigation are summarized in *Table 3-4: Construction Emissions Summary*. Detailed unmitigated construction model outputs are presented in the Air Quality Analysis prepared by Urban Crossroads (Appendix A). Under the assumed scenarios, emissions resulting from the Project construction will not exceed thresholds established by the SCAQMD for emissions of any criteria pollutant and no mitigation is required.

Table 3-4: Construction Emissions Summary

Year	Construction Emissions (lbs/day)					
	ROG	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Summer						
2027	1.84	14.61	21.15	0.03	1.55	0.72
2028	1.78	14.02	21.02	0.03	1.51	0.68
Winter						
2027	1.84	14.68	20.79	0.03	1.55	0.72
2028	1.77	14.07	20.68	0.03	1.51	0.68
Maximum Daily Emissions	**1.84**	**14.68**	**21.15**	**0.03**	**1.55**	**0.72**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, the proposed Project construction-source emissions would be considered less than significant on a project-specific and cumulative basis.

Operational Related Impacts

Typical operational related emissions are from the following primary sources: area source emissions, energy source emissions, and mobile source emissions and result in emission of CO, VOCs, NOX, SOX, PM10, and PM2.5. The proposed Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail.

The proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site. The Project would serve existing and planned future development and would not generate growth. Furthermore, no stationary sources are proposed and the ongoing inspections and maintenance for the proposed Project would generate minimal vehicle trips. Therefore, there are no quantifiable operational emissions associated with the proposed Project and no further analysis is required.

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project operational-source air pollutant emissions would not

result in an exceedance of regional thresholds. The Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is designated non-attainment under an applicable federal or state ambient air quality standard. Therefore, the proposed Project operational-source emissions would be considered less than significant on a project-specific and cumulative basis.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact: The SCAQMD recommends that the nearest sensitive receptor be considered when determining the Project's potential to cause an individual or cumulatively significant impact. The nearest land use where an individual could remain for 24 hours to the Project site has been used to determine localized construction impacts for emissions of PM10 and PM2.5 (since PM10 and PM2.5 thresholds are based on a 24-hour averaging time). The nearest receptors used for evaluation of localized impacts of PM10 and PM2.5 are the existing residences in the Project study area listed below.

- Location R1 represents the existing residence at 9740 Towneway Dr, approximately adjacent north of the Project site. Receptor R1 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R2 represents the existing residence at 9753 Rio Honda Pkwy, approximately adjacent south of the Project site. Receptor R2 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R3 represents the existing residence at 9844 Towneway Dr, adjacent east of the Project site. Receptor R3 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R4 represents the existing residence at 9857 Rio Honda Pkwy, adjacent south of the Project site. Receptor R4 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R5 represents the existing residence at 9912 Towneway Dr, approximately adjacent north of the Project site. Receptor R5 is placed at the private outdoor living areas (backyard) facing the Project site.

The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs). As previously stated, and consistent with LST Methodology, the nearest industrial/commercial use to the Project site is used to determine construction air impacts for emissions of NOX and CO as the averaging periods for these pollutants are shorter (8 hours or less) and it is reasonable to assume that an individual could be present at these sites for periods of one to 8 hours. The nearest receptors used for evaluation of localized impacts of NOX and CO are the residences located adjacent to the Project site. *Table 3-5: Construction Localized Significance Summary* identifies the maximum localized impacts at the nearest receptor location in the vicinity of the Project.

Table 3-5: Construction Localized Significance Summary

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Average Time				
	1-Hour	8- Hour	1-Hour	24- Hour	24- Hour
Peak Day Localized Emissions	0.04	0.03	1.92E-02	0.33	0.30
Background Concentration[A]	1.4	1.1	0.088	-	-
Total Concentration	1.44	1.13	0.11	0.33	0.30
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in µg/m_3. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

Results of the LST analysis indicate that the Project will not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction and operation and impacts would be less than significant.

d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people)?

Less than Significant Impact: The Project will not involve land uses that are typically associated with odor complaints such as, agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City's solid waste regulations. The Project would also be required to comply with SCAQMD Rule 402 (Nuisance) to prevent occurrences of public nuisances. Therefore, odors associated with the Project construction and operations would be less than significant and no mitigation is required.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. Biological Resources: Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    - Chapter 5 – Parks and Recreation Element (2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft, May 2011.
3. City of El Monte Municipal Code
    - Chapter 14.03 –Tree Protection and Preservation

4. USFWS National Wetlands Inventory Mapper. Accessed January 14, 2026. Web mapper.
5. Arborist Report El Monte Merced Avenue Stormwater Capture Project, Craftwater/ City of El Monte, California. GHD. January 24, 2025. (Appendix B)
6. Merced Avenue Stormwater Capture Project Delineation of Jurisdictional Waters, Osprey Environmental Associates, Inc. April 2026. (Appendix B1)

Discussion of Impacts

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or U.S. Fish and Wildlife Service (USFWS)?

Less than Significant Impact with Mitigation Incorporated: A GHD-certified arborist conducted a site visit on January 14, 2025, followed by a subsequent visit on January 15, 2025. During the visits potentially impacted trees within the Project area were located and approximate locations were recorded using a Google Earth map. Property addresses were used as tree identifiers because many trees were inaccessible or located on private property and could not be physically tagged. Tree diameter measurements were therefore estimated visually, as most trees were situated behind Concrete Masonry Unit (CMU) walls or chain-link fencing. GHD inventoried and evaluated trees at and adjacent to the Project site. The assessment focused on trees located in the channel or directly adjacent to the channel in private rear yards that may be impacted by the proposed construction. A ground-level limited visual assessment was undertaken to ascertain tree health, structure, and potential for removal. No trees inventoried within the Project area meet the criteria for classification as protected native trees under the City's Tree Preservation Ordinance (Section 14.03). The results of the site visits are included in the Arborist Report (Appendix B).

Peck Water Conservation Park is located approximately 2.8 miles northeast of the Project site and, according to the City's General Plan, provides potential nesting habitat for more than 300 bird species. Given the proximity of this resource and the presence of trees within the Project area, there is potential for special-status wildlife species to occur on-site. Accordingly, because suitable nesting habitat may be present within the Project site, preconstruction nesting bird surveys would be required prior to the initiation of construction activities in accordance with Mitigation Measure **BIO-1.**

With incorporation of Mitigation Measure **BIO-1**, direct or indirect impacts through habitat modifications on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service would be less than significant.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

No Impact: The Project site is currently fully developed and includes a concrete channel, concrete driveways at Merced Avenue and Brockway Street, an asphalt maintenance road that runs parallel to the channel and associated stormwater infrastructure at Merced Avenue and Brockway Street. The drainage consists of a fully engineered concrete-lined storm drain lacking natural substrate, riparian vegetation, wetland vegetation, or geomorphic characteristics formed by natural processes. Vegetation is sparse, discontinuous, and limited

to isolated occurrences of non-native ruderal species rooted in cracks or seams within the concrete. The drainage corridor lacks native plant assemblages, hydrophytic vegetation, and habitat features typically associated with jurisdictional aquatic or riparian systems. No riparian corridor, aquatic habitat, or natural channel morphology is present (Appendix B1). Furthermore, the Project site is not designated as a "Greenway" or "Community Forest" according to the City's General Plan. Therefore, the Project would not result in direct or indirect impacts to riparian habitat or other sensitive natural community and a less than significant impact would occur.

c) Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Less than Significant Impact: The existing channel accepts flow from storm drains along Garvey Avenue and Merced Avenue. Proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Diverted water will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end. The bioswale will have a ponding depth of 0.75 feet, a footprint area of 0.3 acres, and a storage volume of 0.23 acre-feet. The bioswale will also be underlain by a subsurface passive irrigation system, which will allow a portion of the infiltrated water to be stored for future use by vegetation on the surface.

According to the USFWS National Wetlands Inventory Mapper the Project site is classified as a R4SBAx Riverine habitat. The intermittent riverine system is defined as all wetlands and deepwater habitats contained within a channel that contains flowing water for only part of the year, with surface water present for brief periods especially in the early growing season, but the water table usually lies well below the ground surface for most of the season. Furthermore, the Riverine habitat is a channel that has been excavated by humans.

In order to be considered a jurisdictional wetland under Section 404 of the Clean Water Act, an area must possess three wetland characteristics: hydrophytic vegetation, hydric soils, and wetland hydrology. Hydrophytic vegetation is plant life that grows, and is typically adapted for life, in permanently or periodically saturated soils. The hydrophytic vegetation criterion is met if more than 50 percent of the dominant plant species from all strata (tree, shrub, and herb layers) is considered hydrophytic. To be considered hydrophytic, the species must have wetland indicator status, i.e., be rated as obligate, facultative wet or facultative.

Based on the jurisdictional delineation results and current Project design, the Project is expected to result in impacts only to Regional Water Quality Control Boards (RWQCB) jurisdictional Waters of the State. No impacts to federally jurisdictional waters are anticipated and CDFW jurisdiction is not expected within the Project limits. As a condition of approval, the Project is anticipated to require authorization from the RWQCB for permanent impacts to Waters of the State totaling approximately 0.54 acres. Therefore, the proposed Project would not have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means and a less than significant impact

would occur.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less than Significant Impact with Mitigation Incorporated: The Project site is located in an urban, built-up portion of the City. The proposed Project is not anticipated to interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites. However, Peck Water Conservation Park is located approximately 2.8 miles northeast of the Project site and, according to the City's General Plan, provides potential nesting habitat for more than 300 bird species, including both native and migratory species. The Project site contains trees that may serve as suitable nesting habitat and could support special-status wildlife species. Because suitable nesting habitat may be present on-site, preconstruction nesting bird surveys would be required prior to the initiation of construction activities in accordance with Mitigation Measure **BIO-1** to avoid impacts to nesting birds. Therefore, impacts would be less than significant with mitigation incorporated.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact: Chapter 14.03 of the City's Municipal Code establishes policies and regulations to protect and preserve trees as important aesthetic, environmental, and economic resources that contribute to public health, safety, and welfare. The chapter seeks to prevent the indiscriminate removal, destruction, or severe pruning of healthy, mature, and protected trees, particularly in connection with new development, while promoting proper maintenance consistent with accepted arboricultural standards. According to the Arborist Report, no trees inventoried within the Project area meet the criteria for classification as protected native trees under the City's Tree Preservation Ordinance (Section 14.03). Therefore, implementation of the proposed Project would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy and no impacts would occur.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact: The City's General Plan does not identify the Project site, nor the vicinity to be within a Habitat Conservation Plan (HCP) and will not conflict with the provisions of an adopted HCP, Natural Community Conservation Plan (NCCP), or other approved local, regional or State HCP since there is no adopted HCP or NCCP in the Project area or local region. Therefore, no impacts are identified or anticipated, and no mitigation measures are required.

Mitigation Measures

Mitigation:

IV. (a, d)

BIO-1: Pre-construction Nesting Bird Surveys

If construction occurs during the nesting bird season (February 1st through August 31st), a one-day Preconstruction Nesting Bird Survey shall be conducted by a qualified biologist to determine the presence/absence of nesting birds. The location, and status of any active nests on or directly adjacent to the Project Site will be determined by this survey. If active nest(s) are located, the extent of the survey buffer area surrounding the nest should be established by the qualified biologist to ensure that direct and indirect effects to nesting birds are avoided. To avoid the destruction of active nests and to protect the reproductive success of birds protected by the MBTA and the CFGC, the nesting bird survey shall occur no earlier than seven (7) days prior to the commencement of construction. In the event active nests are discovered, a suitable buffer (distance to be determined by the biologist) shall be established around such active nests, and no construction within the buffer allowed, until the biologist has determined that the nest(s) is no longer active (i.e., the nestlings have fledged and are no longer reliant on the nest).

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
V. Cultural Resources – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those outside of formal cemeteries?	☐	☒	☐	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 9 – Cultural Resources Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft, May 2011
3. Cultural Resource Services for the Merced Avenue Stormwater Capture CIP 003 Phase 2 Project, City of El Monte, Los Angeles County, California. Duke CRM. February 3, 2026. (Appendix C)

Discussion of Impacts

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant in §15064.5 of the CEQA Guidelines?

Less than Significant Impact: A cultural and paleontological resources assessment was prepared by Duke Cultural Resources Management, LLC (Duke CRM), dated February 3, 2026 (Appendix C). On December 11, 2025, Duke CRM conducted a records search at the South Central Coastal Information Center (SCCIC) which included a review of all recorded cultural resources within a ½ mile radius of the Project. The reports included archaeological and paleontological surveys, assessments, and inventories from various projects conducted previously within the Project site and the surrounding ½-mile radius. The SCCIC did not identify any cultural resources within the Project site. However, two (2) cultural resources were identified within ½-mile of the Project. The closest resource, P-19-187085, is the alignment of the Mojave Road, which according to historical documentation, existed in between Fort Drum in Wilmington, California, and Fort Mojave, Arizona, and is located approximately 1,350 feet north of the Project site. In addition, the SCCIC identified seven (7) cultural resource studies conducted within ½-mile of the Project. These studies consist primarily of archaeological reconnaissance and inventory surveys, many of which were prepared in support of nearby proposed projects. None of the studies identified cultural resources within the Project site. Thus, the Project site would not cause an adverse change in the significance of a historical resource and impacts to historic resources would be less than significant.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5 of the CEQA Guidelines?

Less than Significant Impact with Mitigation Incorporated: As concluded in the cultural and paleontological resources assessment prepared by Duke CRM (Appendix C), the Project area does not contain previously recorded cultural resources. In addition, the El Monte Storm Drain was constructed in 1948, and any resources that may have been within the Project site prior to construction have likely been destroyed. However, in accordance with Mitigation Measure **CUL-1**, if previously unidentified cultural materials are unearthed during Project-related construction, work shall be halted in that area until the qualified archaeologist can assess the significance of the encountered materials. Implementation of the Project is not anticipated to result in a substantial adverse change in the significance of an archeological resource pursuant to Section 15064.5 of the CEQA Guidelines. A less than significant impact with mitigation incorporated would occur.

c) Disturb any human remains, including those outside of formal cemeteries?

Less than Significant Impact with Mitigation Incorporated: Duke CRM conducted a review of historical aerial photographs and historical topographic maps were conducted using images on file with the USGS Historical Topographic Map Collection and historicaerials.com. As previously mentioned, the El Monte Storm Drain was constructed in 1948, and any resources that may have been within the Project site prior to construction have likely been destroyed. Therefore, a low likelihood exists that human remains could be uncovered during ground-disturbing activities. However, these findings do not preclude the existence of previously unknown human remains located below the ground surface, which may be encountered during construction excavations associated with the proposed Project. As a result, Mitigation Measure **CUL-1** has been identified to reduce potentially significant impacts to previously unknown human remains that may be unexpectedly discovered during Project implementation to a less than significant level. Consistent with State law, if at any time during grading human remains are found, the Project is to be conditioned to halt work and contact the County Coroner's Office. Based on compliance with existing regulations and the implementation of Mitigation Measure **CUL-1**, the Project's potential to disturb human remains is considered less than significant with mitigation.

Mitigation Measures

Mitigation:

V. (b, c)

CUL-1: **Inadvertent Finds**

If previously unidentified cultural materials are unearthed during Project-related construction, work shall be halted in that area until the qualified archaeologist can assess the significance of the encountered materials. If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has determined the origin and disposition of the remains, pursuant to *Public Resources Code* Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the NAHC, which

will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her/their authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within48 hours of notification by the NAHC and may recommend scientific removal and nondestructive analysis of human remains and/or items associated with Native American remains/mortuary features.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. Energy – Would the project:				
a) Result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a State or Local plan for renewable energy or energy efficiency?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 10 – Public Health and Safety Element (2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. Merced Avenue Stormwater Capture Air Quality Analysis. Urban Crossroads, Inc. December 15, 2025. (Appendix A)

Discussion of Impacts

a) Result in potentially significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less than Significant Impact: The proposed Project would impact energy resources during construction and operation. The construction activities for the Project would include site grubbing, land clearing, grading, excavation, drainage, utilities, sub-grade, and paving. The Project would consume energy resources during construction in three (3) general forms:

1. Petroleum-based fuels used to power off-road construction vehicles and equipment on the Project site, construction worker travel to and from the Project site, as well as delivery and haul truck trips (e.g., hauling of demolition material to off-site reuse and disposal facilities);
2. Electricity associated with the conveyance of water that would be used during Project construction for dust control (supply and conveyance) and electricity to power any necessary lighting during construction, electronic equipment, or other construction activities necessitating electrical power; and,
3. Energy used in the production of construction materials, such as asphalt, steel, concrete, pipes, and manufactured or processed materials such as lumber and glass.

Construction Related Impacts

Construction of the Project would result in fuel consumption from construction tools and equipment, vendor and haul truck trips, and vehicle trips generated from construction workers traveling to and from the site. Construction activities and corresponding fuel energy consumption would be temporary and localized. Construction equipment used by the Project would result in single event consumption of diesel fuel. There are no unusual Project characteristics that would cause construction equipment to be less energy efficient compared with other similar construction sites in other parts of the State. Additionally, Project construction equipment would conform to the applicable CARB emissions standards, acting to promote equipment fuel efficiencies.

Operational Related Impacts

The proposed Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The Project encompasses approximately 2.56 acres and includes 0.35 miles of channel located on six (6) irregular shaped parcels that contain a drainage easement. The existing channel accepts flow from storm drains along Garvey Avenue and Merced Avenue. Proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Diverted water will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end. The bioswale will have a ponding depth of 0.75 feet, a footprint area of 0.3 acres, and a storage volume of 0.23 acre-feet. The bioswale will also be underlain by a subsurface passive irrigation system, which will allow a portion of the infiltrated water to be stored for future use by vegetation on the surface. Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street. Because the Project does not generate any mobile trips and is intended to improve pedestrian access, energy demands during Project operation would not increase. Motion-activated lighting is proposed along the shared-use path and would be designed and operated in accordance with current energy efficient and energy conserving standards.

As supported by the preceding, Project construction and operations would not result in the inefficient, wasteful, or unnecessary consumption of energy. The Project would therefore not cause or result in the need for additional energy-producing or energy transmission facilities. The Project would not create or otherwise result in a potentially significant impact affecting energy resources or energy delivery systems, a less than significant impact would occur.

b) Conflict with or obstruct a State or Local plan for renewable energy or energy efficiency?

No Impact: The applicable state plans that address renewable energy and energy efficiency are CALGreen, the California Energy Code, and California's Renewable Portfolio Standard. Under the California Renewables Portfolio Standard, the State of California is transitioning to

renewable energy through the California's Renewable Energy Program. Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. Electricity production from renewable sources is generally considered carbon neutral. Executive Order S-1408, signed in November 2008, expanded the state's renewable portfolios standard (RPS) to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Senate Bill 350 (de Leon) was signed into law September 2015 and establishes tiered increases to the RPS—40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. Senate Bill 350 also set a new goal to double the energy-efficiency savings in electricity and natural gas through energy efficiency and conservation measures. On September 10, 2018, Governor Brown signed SB 100, which supersedes the SB 350 requirements. Under SB 100, the RPS for public owned facilities and retail sellers consist of 44 percent renewable energy by 2024, 52 percent by 2027, and 60 percent by 2030. Additionally, SB 100 also established a new RPS requirement of 50 percent by 2026. The bill also established a state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under SB 100 the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target. The statewide RPS goal is not directly applicable to individual development projects, but to utilities and energy providers such as SCE, which is the utility company that would provide all electricity needs for the Project. Additionally, the Project would comply with the Building Energy Efficiency Standards (Title 24) and CALGreen.

The City of El Monte does not have an adopted Climate Action Plan or renewable energy plan. However, the Project would be consistent with applicable State energy efficiency requirements and local policies incorporated into the City's General Plan and building standards. The Project would comply with Title 24 of the California Building Standards Code and applicable CALGreen requirement and would incorporate energy-efficient design features such as motion detected lights. Accordingly, the Project would not interfere with the implementation of State or local renewable energy or energy efficiency plans, and no impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. Geology and Soils– Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault. Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☒	☐	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☒	☐	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☒	☐	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☒	☐	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☒	☐	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    - Chapter 10- Public Health and Safety (2022)

2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. CEQA- Level Geologic and Geotechnical Review, City of El Monte, Stormwater Capture Project CIP 003, Phase 2, Rio Hondo Channel from Merced Avenue (North of Rio Hondo Parkway) to Brockway Street, City of El Monte, California. Verdantas. January 9, 2026. (Appendix D)
4. Cultural Resource Services for the Merced Avenue Stormwater Capture CIP 003 Phase 2 Project, City of El Monte, Los Angeles County, California. Duke CRM. February 3, 2026. (Appendix C)

Discussion of Impacts

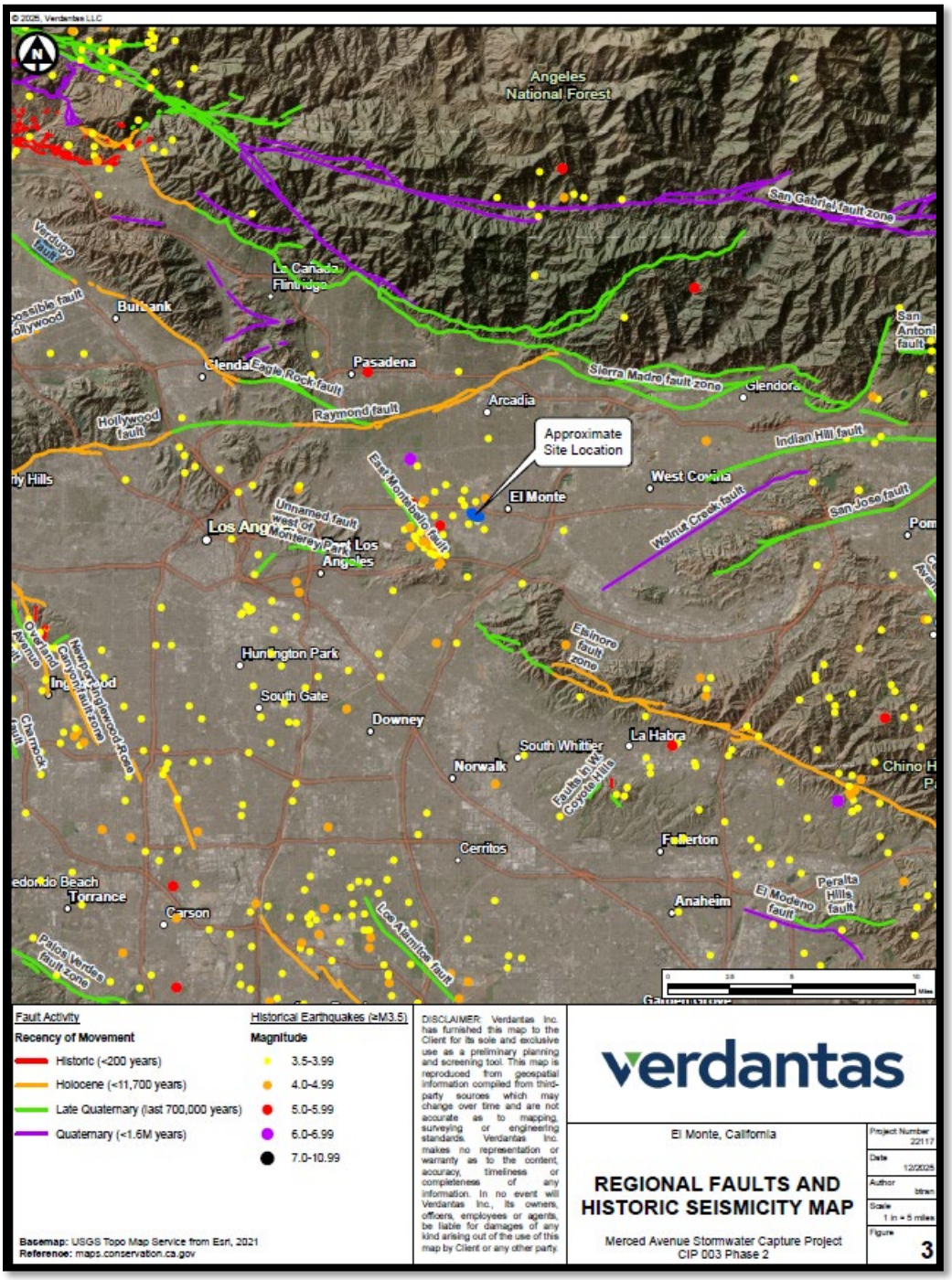
a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault. Refer to Division of Mines and Geology Special Publication 42.

Less than Significant Impact: The Alquist-Priolo Earthquake Fault Zoning Act (Act) was passed in 1972 to mitigate the hazard of surface faulting to structures for human occupancy. The Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The Act requires the State Geologist to establish regulatory zones, known as "Alquist-Priolo (AP) Earthquake Fault Zones," around the surface traces of active faults and to issue appropriate maps. If an active fault is found, a structure for human occupancy cannot be placed over the trace of the fault and must be set back from the fault (typically 50 feet).

The Project site is located outside of an Earthquake Fault Zone as designated by the California Geological Survey. No known active faults are mapped on or near the Project site, see *Figure 7-1: Regional Faults and Historic Seismicity Map* (Verdantas). The nearest mapped active fault is the East Montebello Fault, which is located approximately 2.0 miles southwest of the Project site. Given the site's location relative to mapped active faulting, the potential for fault rupture is considered less than significant.

Figure 7-1: Regional Faults and Historic Seismicity Map



ii) Strong seismic ground shaking?

Less than Significant Impact with Mitigation Incorporated: *Figure 7-1: Regional Faults and Historic Seismicity Map* illustrates recorded regional seismic events since the mid-1700s in relation to the Project site. As shown on this figure, the site has historically been exposed to seismic events with magnitudes less than 7; however, the level of seismicity in the site vicinity is consistent with that experienced throughout Southern California generally. There is no known documentation indicating that earthquake-related damage in the vicinity of the Project site has been greater than that observed elsewhere in Southern California, nor is there evidence of damage resulting from liquefaction, lateral spreading, or other secondary seismic hazards. Nevertheless, due to the proximity of known active faults, the potential for strong seismic ground shaking at the Project site is considered high and may represent a potentially significant constraint.

Seismic ground shaking at the Project site cannot be entirely avoided; however, the level of potential ground shaking is not greater than that experienced at other sites throughout Southern California. To reduce potential impacts, mitigation measure **GEO-1** shall require that all structures be designed and constructed in accordance with the current California Building Code, ASCE 7, and the recommendations of the Project geotechnical consultant and applicable local agency requirements. Implementation of this mitigation measure would reduce impacts related to seismic ground shaking to a less than significant impact.

iii) Seismic-related ground failure, including liquefaction?

Less than Significant Impact with Mitigation Incorporated: Liquefaction is a phenomenon associated with shallow groundwater combined with the presence of loose, fine sands, and/or silts within a depth of 50-feet below grade or less. Liquefaction occurs when saturated, loose, fine sands and/or silts are subjected to strong ground shaking resulting from an earthquake event. Due to the increasing overburden pressure with depth, liquefaction of granular soils is generally limited to the upper 50 feet of a soil profile. Increasing duration of the ground shaking during a seismic event can also increase the potential for liquefaction.

The State of California has mapped the Project site, which is within the El Monte quadrangle, to be in an area susceptible to liquefaction (Appendix D). Based on the anticipated subsurface earth materials and the historically highest groundwater of less than 5 feet bgs, liquefaction may pose risk for the Project site. Therefore, with mitigation measures **GEO-2**, which requires additional studies, incorporated a less than significant impact would occur.

iv) Landslides?

Less than Significant impact: Seismically induced landslides and slope failures are common occurrences during or soon after large earthquakes. The State of California has mapped the proposed Project site to be outside of an area of earthquake-induced landslide potential (Appendix D). Additionally, the Project site and immediate

surroundings are relatively flat and level. Project implementation would not directly or indirectly induce risk of landslide and a less than significant impact would occur.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less than Significant Impact with Mitigation Incorporated: The native soils onsite and any future fill slopes constructed with native soils are highly susceptible to erosion, particularly during grading activities and periods of heavy rainfall. As a result, the Project could result in substantial soil erosion or loss of topsoil during construction, representing a potentially significant impact. Implementation of standard erosion control and best management practices including temporary and permanent erosion control measures, slope protection, surface drainage improvements, and compliance with applicable grading codes would reduce erosion and sediment transport. With implementation of mitigation measure **GEO -3**, impacts related to soil erosion and loss of topsoil would be reduced to a less than significant level.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less than Significant Impact with Mitigation Incorporated: The Project site is underlain by alluvial deposits consisting of gravel, sand, and silt, with the potential presence of undocumented artificial fill associated with construction of the existing channel. Based on regional geologic mapping and local experience, near-surface soils at the site are anticipated to be compressible and may include clayey layers with unknown expansion potential. In the absence of site-specific geotechnical data, compressible and expansive soil conditions are considered potentially significant constraints that could result in settlement or instability if not properly addressed.

While the proposed graded surface would be relatively flat and any future manufactured slopes are anticipated to be less than 10 feet in height, the stability of on-site and adjacent slopes could be affected by highly erodible native soils, particularly during construction and periods of heavy rainfall. In addition, the Project site is located within an area mapped by the State of California as susceptible to liquefaction, and shallow groundwater conditions (historically less than 5 feet below ground surface) indicate that liquefaction could pose a risk to the site.

The Project will be required to comply with all requirements and recommendations outlined in the CEQA-Level Geologic and Geotechnical Review prepared by Verdantas, as required by mitigation measures **GEO-1** through **GEO-8**. Furthermore, the Project will comply with all applicable provisions of the Uniform Building Code (UBC) and California Building Code (CBC) that would act to minimize any unstable soils or unstable geologic units that may be encountered. On this basis, the potential for the Project to be located on a geologic units or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on- or off-site landslides, lateral spreading, subsidence, liquefaction or collapse is less than significant with mitigation incorporated.

d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less than Significant Impact with Mitigation Incorporated: Based on regional geologic mapping, the Project site is underlain by alluvial deposits that may include clayey soils with unknown expansion potential. In the absence of site-specific geotechnical data, expansive soils could be present and represent a potentially significant impact. Mitigation measure **GEO-7** requires a design-level geotechnical investigation, including laboratory testing for expansion potential and incorporation of foundation and retaining wall recommendations into Project design, would reduce risks associated with expansive soils to a less than significant level.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste-water disposal systems where sewers are not available for the disposal of waste water?

No Impact: The Project does not propose to utilize a septic tank or alternative wastewater disposal system. Therefore, no impact will occur.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less than Significant Impact: A cultural and paleontological resources assessment was prepared by Duke CRM dated February 3, 2026, and concluded the Project site does not contain previously recorded cultural or paleontological resources (Appendix C). Furthermore, the Project site is underlain by alluvial deposits consisting of gravel, sand, and silt, with the potential presence of undocumented artificial fill associated with construction of the existing channel. Therefore, the potential for impacts as a result of Project implementation on paleontological resources or a unique geologic feature are less than significant.

Mitigation Measures

Mitigation:

VII. (a, c)

GEO-1: **Compliance with the California Building Code**
The Project shall be designed and constructed in accordance with the current California Building Code (CBC) and ASCE 7 seismic design standards. Structural design shall incorporate all applicable seismic provisions and recommendations provided by the project geotechnical engineer and structural engineer of record. Compliance with these requirements shall be verified during plan check and construction inspection. Implementation of this mitigation measure would reduce impacts related to seismic ground shaking to a less-than-significant level.

VII. (a, c)

GEO-2: **Design Level Geotechnical Investigation**
Prior to issuance of grading or building permits, a design-level geotechnical investigation shall be prepared for the Project. The investigation shall evaluate the potential for liquefaction and lateral spreading under both static and seismic conditions and shall identify site-specific mitigation measures, as necessary. Mitigation measures may include, but are not limited to, ground improvement, foundation design modifications, or other appropriate engineering solutions. The Project shall be designed and constructed in accordance with the approved geotechnical recommendations. Implementation of this mitigation measure would

reduce impacts related to liquefaction and lateral spreading to a less-than-significant level.

VII. (b, c)

GEO-3: Sedimentation and Erosion Control Measures

The Project shall incorporate permanent and temporary erosion and sediment control measures in compliance with applicable grading codes and best management practices. Measures shall include, as appropriate, slope stabilization, surface drainage improvements, landscaping, paving of exposed surfaces, and protection of graded slopes until vegetation is established. During construction, temporary erosion control measures (e.g., sediment basins, fiber rolls, sandbags) shall be installed and maintained to prevent off-site sediment transport. Implementation of these measures would reduce erosion and sedimentation impacts to a less-than-significant level.

VII. (c)

GEO-4: Seismically Induced Settlement

The design-level geotechnical investigation required under Mitigation Measure GEO-2 shall also evaluate the potential for seismically induced settlement, including the magnitude and distribution of anticipated settlement. The investigation shall provide recommendations to mitigate settlement impacts, which may include over-excavation, soil improvement, or foundation design measures. The Project shall be designed and constructed in accordance with the approved geotechnical recommendations. Implementation of this mitigation measure would reduce impacts related to seismically induced settlement to a less-than-significant level.

VII. (c)

GEO-5: Seismically Induced Flooding

The Project shall be designed to account for the potential effects of seismically induced flooding, including earthquake-related infrastructure or dam failures, as applicable. Project design shall incorporate applicable flood protection, drainage, and structural design measures consistent with local, state, and federal requirements. Compliance shall be verified during plan review and construction. Implementation of this mitigation measure would reduce impacts related to seismically induced flooding to a less-than-significant level.

VII. (c)

GEO-6: Slope Stability and Landslides

Once grading plans are prepared, a site-specific geotechnical analysis shall be conducted to evaluate slope stability under both static and seismic conditions. The analysis shall provide recommendations for slope design, stabilization, and construction methods. All manufactured slopes shall be designed and constructed in accordance with the approved geotechnical report, the California Building Code, and applicable City and/or County standards. Implementation of this mitigation measure would reduce impacts related to slope instability and landslides to a less-than-significant level.

VII. (c, d)

GEO-7: Soil Expansion

A design-level geotechnical investigation shall include laboratory testing of near-surface soils to evaluate expansive soil potential. Based on the results, the geotechnical engineer shall provide foundation, slab, and retaining wall design recommendations. The Project shall be designed and constructed in accordance with these recommendations. Implementation of this mitigation measure would reduce impacts related to expansive soils to a less-than-significant level.

VII. (c)

GEO-8: Compressible Soils

A design-level geotechnical investigation shall evaluate the presence and extent of compressible soils at the Project site. The investigation shall recommend appropriate mitigation measures, which may include soil removal, ground improvement, or specialized foundation design. The Project shall be designed and constructed in accordance with the approved geotechnical recommendations. Implementation of this mitigation measure would reduce impacts related to compressible soils to a less-than-significant level.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. Greenhouse Gas Emissions – Would the project:				
a) Generate greenhouse gas emissions either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    a. Chapter 10 – Public Health and Safety Element (2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. Merced Avenue Stormwater Capture Greenhouse Gas Analysis. Urban Crossroads, Inc. December 24, 2025. (Appendix E)

Discussion of Impacts

a) Generate greenhouse gas emissions either directly or indirectly, that may have a significant impact on the environment?

Less than Significant Impact: Urban Crossroads conducted a Greenhouse Gas Analysis for the proposed Project, dated December 24, 2025 (Appendix E). The analysis provides the estimated greenhouse gas (GHG) emissions that will result from Project construction and operation. Construction related GHG emissions are quantified and amortized over the life of the Project, which is identified as a 30-year period, in accordance with the South Coast Air Quality Management District (SCAQMD). In terms of operational GHG emissions, the proposed Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The proposed Project does not include any substantive new stationary or mobile sources of emissions, and therefore, by its very nature, will not generate quantifiable GHG emissions from Project operations.

The City of El Monte has not adopted its own numeric threshold of significance for determining impacts with respect to GHG emissions. A screening threshold of 3,000 MTCO2e/yr to determine if additional analysis is required is an acceptable approach. This approach is a widely accepted screening threshold used by numerous cities and counties in the South Coast Air Basin (SCAB) and is based on the SCAQMD staff's proposed GHG screening threshold for stationary source emissions for non-industrial projects, as described in the SCAQMD's Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans (SCAQMD Interim GHG Threshold). The SCAQMD Interim GHG Threshold identifies a screening threshold to determine whether additional analysis

is required. As such, the GHG emissions presented in *Table 8-1: Amortized Annual Construction Emissions* are from amortized construction source GHG emissions.

Table 8-1: Amortized Annual Construction Emissions

Year	CO_2T	CH_4	N_2O	R	Total CO_2e
2027	216.82	0.01	0.01	0.08	219.90
2028	295.58	0.01	0.01	0.08	298.82
Total	512.40	0.02	0.02	0.16	518.71
Amortized	17.08	6.58E-04	6.32E-04	5.46E-03	17.29

The Project will result in approximately 17.29 MTCO2e/yr from construction activities. As such, the Project would not exceed the SCAQMD's recommended numeric threshold of 3,000 MTCO2e/yr if it were applied. Thus, the Project would not result in a cumulatively considerable impact with respect to GHG emissions. Therefore, Project impacts would be less than significant.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than Significant Impact: The Project involves construction activity and does not propose a trip generating land use or facilities that would generate any substantive amount of on-going GHG emissions. As previously mentioned, the Project's GHG emissions are below the 3,000 MTCO2e/yr threshold. As such, the proposed Project will not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHG's and impacts are considered less than significant.

Finally, the Project is consistent with the general plan land use designation, zoning, and applicable policies specified for the Project area in SCAG's Sustainable Community Strategy/Regional Transportation Plan, which pursuant to SB 375 calls for the integration of transportation, land-use and housing policies to plan for achievement of the GHG-emissions target for the region. Thus, a less than significant impact related to GHG emissions from Project construction and operation would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. Hazards and Hazardous Materials – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☒	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    - Chapter 10 – Public Health and Safety Element (2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

3. Envirostor, Department of Toxic Substances Control, 2019. https://www.envirostor.dtsc.ca.gov/public/
4. California Department of Forestry and Fire Protection. Fire Hazard Severity Zones Map. Accessed January 23, 2026. Fire Hazard Severity Zones in State Responsibility Area

Discussion of Impacts

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less than Significant Impact: Project implementation would not cause the routine transport, use, or disposal of hazardous materials. However, equipment used and stored at the site during Project construction will utilize substances considered to be hazardous by regulatory bodies, such as diesel fuel and gasoline. These types of materials are not acutely hazardous, and all storage, handling, use, and disposal of these materials are regulated by federal and state requirements. Project construction activities are required to strictly adhere to federal and state requirements. The use, transport, storage, and disposal of hazardous materials must comply with existing regulations established by several agencies, including the Department of Toxic Substances Control (DTSC), the U.S. Environmental Protection Agency (EPA), the US Department of Transportation (USDOT), the Occupational Safety & Health Administration (OSHA), the California Code of Regulations (CalOSHA), and the state Unified Hazardous Waste and Hazardous Materials Management Regulatory Program. Long-term operation of the Project would not handle any hazardous materials as the Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The amount of hazardous material onsite during construction is expected to be less than significant, and the Project would be required to comply with applicable laws, ordinances, and procedures. Thus, Project impacts would be less than significant.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less than Significant Impact: As discussed in Section IX(a), any handling activities associated with hazardous or potentially hazardous materials would comply with all applicable federal, state, and local agencies and regulations. Short-term construction of the proposed Project would comply with all applicable federal, State, and local agencies and regulations with the policies and programs established by agencies such as the EPA, Department of Transportation, Department of Toxic Substances Control, Cal/OSHA, Resource Conservation and Recovery Act (RCRA), and the state Unified Hazardous Waste and Hazardous Materials Management Regulatory Program. Long-term operation of the Project would not handle any hazardous materials. Adherence to the applicable policies and programs of these agencies would ensure that any transport or interaction with hazardous materials would occur in the safest possible manner, reducing the opportunity for the accidental release of hazardous materials into the environment. Any handling of hazardous materials would be limited in both quantities and concentrations. Based on the preceding, impacts would be less than significant.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less than Significant Impact: Cortada Elementary School is located approximately 0.11 miles southwest of the Project site. Portero School is located approximately 0.4 miles southwest of the Project site, and Wilkerson Elementary School is located approximately 0.5 miles southeast of the Project site. The proposed Project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste during operation. As previously discussed, handling activities associated with hazardous or potentially hazardous materials during the construction phase of the Project would comply with all applicable federal, state, and local agencies and regulations and would be short-term. Any handling of hazardous materials would be limited in both quantities and concentrations. Impacts would be less than significant.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact: Government Code Section 65962.5 describes that before an application for a development project is completed, the Applicant and/or Lead Agency shall indicate whether the site is included on any of the lists compiled pursuant to that section and identify which list(s). According to the Cortese List (DTSC, EnviroStor 2019), the Project site is not included on a list of hazardous materials sites. Nor are there any active hazardous materials sites listed in the vicinity of the Project site. Therefore, the proposed Project would not create a significant hazard and no impact would occur.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

Less than Significant Impact: The closest major airport is the San Gabriel Valley Airport (SGVA), located 1.5 miles northeast of the Project site. The Project site is beyond the 65 dBA CNEL noise level contour and would not be exposed to excessive noise levels from airport operations. Therefore, the Project would not create a safety hazard or excessive noise for people residing or working in the Project area and a less than significant impact would occur.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact: The area of disturbance for the Project is approximately 2.56 acres and will be limited to the Rio Hondo Channel, Merced Avenue and Brockway Street. The City has an adopted Emergency Operations Plan (EOP), updated in October 2014, which establishes the organizational structure and procedures for emergency response, including the assignment of responsibilities, coordination of resources, and identification of authority and actions to be implemented before, during, and immediately following an emergency. A publicly available, city-specific evacuation route plan for the

City is not identified. However, evacuation directions and emergency response coordination are provided through established County and State management systems during emergency events. During construction, temporary lane closures or traffic diversions may occur along Merced Avenue and Brockway Street. If required, detour signage would be installed on adjacent streets to redirect traffic. These impacts would be temporary and intermittent, occurring between May 2027 and December 2028, depending on the specific construction activities and Project phase. The proposed Project would not impede implementation of the City's Emergency Operations Plan. Therefore, potential impacts to the implementation of or physical interference with an adopted emergency response plan or emergency evacuation plan would be less than significant.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact: The Project site is located in the western portion of the City in an urban, built-up area. There are no wildland areas in the Project vicinity. Implementation of the proposed Project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires and no impacts would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
X. Hydrology and Water Quality – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 10 – Public Health and Safety Element (2022)
   - Chapter 8 – Public Services and Facilities Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

3. City of El Monte Municipal Code, Title 13- Public Services, Chapter 13.20 – Stormwater and Urban Runoff Pollution Control.

Discussion of Impacts

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?

Less than Significant Impact: The National Pollution Discharge Elimination System (NPDES) Program is a federal Environment Protection Act (EPA) program that is overseen by the State of California and administered by the California Regional Water Quality Control Boards (RWQCB). The NPDES program is intended to protect and improve water quality by reducing pollutants in stormwater runoff. Pursuant to the NPDES Stormwater Permit issued to the County of Los Angeles and its co-permittees, including the City of El Monte, most new development projects are required to incorporate Best Management Practices (BMPs) to minimize pollutant discharges. The City's Public Works Department enforces applicable NPDES requirements as set forth in the City's Municipal Code. The proposed Project will impact the City's Drawing No. SD-1020 Reinforced Concrete Box (RCB) through the installation of a maintenance hole junction structure. Because the storm drain is owned and operated by the City, a Los Angeles Flood Control District (LACFCD) permit is not needed. With the implementation of BMPs, the proposed Project would be in compliance with the MS4 permit. Therefore, the Project conforms with conditions related to water quality standards and waste discharge requirements to reduce the potential to substantially degrade surface or groundwater quality. Thus, a less than significant impact would occur.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less than Significant Impact: The proposed Project would replace the City-owned El Monte Storm Drain between Merced Avenue and Brockway Street utilizing funding from the Los Angeles County's Safe Clean Water Program (SCWP). The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The existing channel accepts flow from storm drains along Garvey Avenue and Merced Avenue. Proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Diverted water will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end. The bioswale will have a ponding depth of 0.75 feet, a footprint area of 0.3 acres, and a storage volume of 0.23 acre-feet. The bioswale will also be underlain by a subsurface passive irrigation system, which will allow a portion of the infiltrated water to be stored for future use by vegetation on the surface. The Project does not include any development components that would require a water supply for operations that would affect groundwater supplies. Therefore, the Project would not impede sustainable groundwater management of the basin and a less than significant impact would occur.

c) Substantially alter the existing drainage pattern of the site or area, including through the

alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) result in substantial erosion or siltation on- or off-site;

Less than Significant Impact: The proposed Project would not alter the existing drainage pattern of the site or area in a manner which would result in substantial erosion or siltation on- or off-site. The proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Less than significant impacts would occur.

ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; or

Less than Significant Impact: The proposed Project will maintain the existing flow from storm drains along Garvey Avenue and Merced Avenue. Proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. The diverted water that will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end, is not substantial enough to increase the rate or amount of surface runoff. Impacts would be less than significant.

iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less than Significant Impact: The proposed Project does not alter the existing flows and/or drainage patterns of the Project site. Therefore, the Project would not create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Less than significant impacts would occur.

iv) impede or redirect flood flows?

Less than Significant Impact: As previously mentioned, the proposed Project includes stormwater improvements including the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Flow enters the Project site from the east via an upstream concrete box culvert, travels westward through the constructed channel, and exits the site through three corrugated steel culverts housed within a downstream concrete structure. Diverted water will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end. The bioswale will have a ponding depth of 0.75 feet, a footprint area of 0.3 acres, and a storage volume of 0.23 acre-feet. The bioswale will also be underlain by a subsurface passive irrigation system,

which will allow a portion of the infiltrated water to be stored for future use by vegetation on the surface. The Project would alter existing site drainage patterns and flow conveyance in a manner that improves stormwater management and enhances water quality. Therefore, the Project would not impede or redirect existing flows.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less than Significant Impact: The Cobey-Alquist Floodplain Management Act promotes the planning, adoption, and enforcement of land use regulations to reduce risks associated with flood hazards. In accordance with this Act, the City of El Monte has adopted a floodplain management ordinance and maintains Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs). The FEMA FIRMs for the City were last updated in 2008. According to the City's General Plan Environmental Impact Report, the City is designated as Zone X, or an area of minimal flood hazard, indicating that no portion of the City is located within the 100-year floodplain. The proposed Project would not change the existing drainage patterns and would therefore not increase the risk of pollutants. According to *Figure PHS-2: Flooding Hazards* of the City's General Plan, the Project site is located in a California Office of Emergency Services (OES) Dam Breach Scenario 1 and the Army Corps of Engineers Dam Inundation Area. The inundation areas shown on the map reflect events of extremely remote nature. Additionally, the Project site is located approximately 24 miles east of the Pacific Ocean resulting in no potential for impacts due to tsunamis. Therefore, Project implementation would not result in a release of pollutants due to flood hazards, tsunami, or seiche zones. A less than significant impact would occur.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less than Significant Impact: The proposed Project would be required to adhere to the requirements outlined in the Project specific Storm Water Pollution Prevention Plan (SWPPP) to prevent and reduce Project related pollutants from entering stormwater discharges. Additionally, the Project would include the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail which would convert a minor area of pervious surface to impervious surface. However, this would not be substantial enough to impact groundwater management plans. Thus, the Project would not conflict with or obstruct the implementation of a water quality control plan or sustainable groundwater management plan.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. Land Use and Planning – Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 3 – Land Use Element (2011& 2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

Discussion of Impacts

Would the project:

a) Physically divide an established community?

No Impact: According to the City's General Plan, the Project site is designated as Public and Institutional. The Project site is currently fully developed and includes a concrete channel, concrete driveways at Merced Avenue and Brockway Street, an asphalt maintenance road that runs parallel to the channel and associated stormwater infrastructure at Merced Avenue and Brockway Street. Ornamental trees line the northern and southern boundaries of the site providing buffer between the surrounding residential uses and the channel. Furthermore, proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site. Land uses surrounding the Project site primarily consist of developed land including multi-family residences, single-family residences, the Rio Hondo Channel, an elementary school, and the I-10 freeway. Therefore, no established communities exist within the Project site, nor does the Project propose or require elements or operations that would divide an off-site community. Based on the preceding, the Project would not physically divide an established community and no impact would occur.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less Than Significant Impact: As previously mentioned, the General Plan land use

designation for the Project site is Public and Institutional. The proposed Project would not conflict with any land use plan, policy, or regulation adopted; thus, no impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. Mineral Resources – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. Department of Conservation California Geological Survey. California Mineral Resource Data Portal. Accessed January 24, 2026. CGS Information Warehouse

Discussion of Impacts

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

a-b) No Impact: The City is located within the San Gabriel Production-Consumption (P-C) Region. The State Mining and Geology Board has classified large areas in the northern, eastern and southern portions of the City as Mineral Resource Zone-2 (MRZ-2), indicating that there are minerals located in the area with value and marketability. According to California Geological Survey: *San Gabriel Valley P-C Region Showing MRZ-2 Areas and Active Mine Operations*, the Project site is not located within a Mineral Land Classification zone or an Aggregate Resources Sector zone. Furthermore, the Project site is not located in a Significant Mineral Aggregate Resource Area (SMARA). Accordingly, implementation of the proposed Project would not result in the loss of availability of a known mineral resource that would be of value to the region or the residents of the State of California. Additionally, there are no resource recovery sites delineated within the Project vicinity, or surrounding areas. Therefore, the proposed Project would not result in the loss of availability of locally important mineral resources and no impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. Noise – Would the project result in:				
a) Generation of a substantial, temporary, or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 2 – Community Design Element (2011 & 2022)
   - Chapter 3 – Land Use Element (2011 & 2022)
   - Chapter 6 – Circulation Element (2011)
   - Chapter 10 – Public Health and Safety Element (2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. City of El Monte Municipal Code. Title 8 – Health and Safety
   - Chapter 8.36 –Noise Control
4. Merced Avenue Stormwater Capture Noise and Vibration Analysis. Urban Crossroads, Inc. January 19, 2026. (Appendix F)

Discussion of Impacts

Would the project result in:

a) Generation of a substantial, temporary, or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less than Significant Impact: The Project consists of stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared-use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. Proposed pedestrian improvements include a raised crosswalk on Merced Avenue,

connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site.

The Project will produce noise levels that are associated with construction, however, operation of the Project does not include any new stationary noise sources. Urban Crossroads prepared a Noise and Vibration Analysis dated January 19, 2026 (Appendix F). The Noise Impact Analysis was prepared to satisfy applicable City of El Monte standards and thresholds of significance based on guidance provided by Appendix G of the California Environmental Quality Act (CEQA) Guidelines.

Construction Related Impacts

In accordance with the City's Municipal Code Section 8.36.050, Project related construction activities would occur during the permitted hours of 6:00 a.m. to 7:00 p.m. Monday through Friday, and between the permitted hours of 8:00 a.m. to 7:00 p.m. on Saturday and Sunday. The City's General Plan and Municipal Code does not identify specific construction noise level limits, thus the Noise and Vibration Analysis prepared by Urban Crossroads utilized the County of Los Angeles construction noise level standards to determine acceptable noise level limits at adjacent sensitive land uses (Appendix F).

Research indicated the U.S. Department of Transportation guidance for construction published by the Federal Transit Administration (FTA) is appropriate and based on well-documented studies of the effects of construction noise. Therefore, to evaluate whether the Project will generate potentially significant short-term noise levels at nearby noise sensitive residential receiver locations, a daytime exterior construction noise level of 80 dBA L_{eq} is used as a reasonable threshold to assess construction noise level impacts based on the FTA detailed analysis construction noise criteria with a nighttime exterior construction noise level of 70 dBA L_{eq}.

Construction activities occur in stages and shift across the site over time, with noise levels varying as equipment moves in predictable patterns or concentrates near specific work areas. Each construction stage has distinct noise characteristics, with some stages generating higher continuous noise levels and others producing higher impact noise. Accordingly, construction noise is best evaluated as multiple moving point sources with changing distances and orientations relative to nearby receptors. Project construction activities are expected to occur in the following stages: grubbing, land clearing, grading, excavation, drainage, utilities, sub-grade, and paving. Table 13-1 presents a summary of the loudest activity and the highest noise level calculated at each receiver location (Appendix F).

Table 13-1: Construction Equipment Noise Level Summary

Receiver Location	Construction Noise Levels (dBA L_{eq})				
	Linear, Grubbing & Land Clearing	Linear, Grading & Excavation	Linear, Drainage, Utilities, & Sub-Grade	Linear, Paving	Highest Level
R1	70.0	70.5	72.6	68.0	72.6
R2	68.4	68.9	71.0	66.4	71.0
R3	70.7	71.2	73.3	68.7	73.3
R4	71.2	71.7	73.8	69.2	73.8
R5	69.1	69.6	71.7	67.1	71.7

As shown in *Table 13-1: Construction Equipment Noise Level Summary* above, the highest construction noise levels are expected to range from 71.0 to 73.8 dBA L_{eq} at the nearby receiver locations. To evaluate whether the Project will generate potentially significant short-term noise levels at nearest receiver locations, a construction-related daytime noise level threshold of 80 dBA L_{eq} is used as a reasonable threshold to assess the daytime construction noise level impacts. The construction noise analysis shows that the nearest receiver locations will satisfy the reasonable daytime 80 dBA L_{eq} significance threshold during Project construction activities with a maximum noise level of 73.8 dBA L_{eq}, as shown on *Table 13-2: Construction Noise Level Compliance*. Therefore, the noise impacts due to Project construction noise are considered less than significant at all receiver locations.

Table 13-2 Construction Noise Level Compliance

Receiver Location	Construction Noise Levels (dBA L_{eq})		
	Highest Construction Noise Levels	Threshold	Threshold Exceeded?
R1	72.6	80	No
R2	71.0	80	No
R3	73.3	80	No
R4	73.8	80	No
R5	71.7	80	No

Operation Related Impacts

The Project does not include any new stationary noise sources. As such, the Project does not have the potential to generate increases in ambient noise from these sources at the Project site and in the surrounding area and thus a less than significant impact would occur (Appendix F). Therefore, Project impacts in regard to a generation of a substantial, temporary, or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies would be less than significant.

b) Generation of excessive ground borne vibration or ground borne noise levels?

Less than Significant Impact: Project construction can generate varying degrees of ground borne vibration, depending on the construction procedure and the construction equipment used. Operation of construction equipment generates vibrations that spread through the ground and dimmish in amplitude with distance from the source. The effect on buildings located in the vicinity depends on soil type, ground strata, and construction characteristics of receiver buildings. The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at high levels. Ground-borne vibrations from construction activities rarely reach levels that damage structures.

The nearest vibration-sensitive receivers are located at distances ranging from 10 to 15 feet from Project construction activities, construction vibration velocity levels are estimated to range from less than 0.16 to 0.24 PPV in/sec. Based on maximum acceptable continuous vibration threshold of 0.30 PPV (in/sec), the typical Project construction vibration levels will not exceed the vibration thresholds at any nearby receivers. Therefore, the Project-related vibration impacts are considered less than significant during typical construction activities at the Project site (Appendix F).

Vibration levels at the nearest sensitive receptor are not expected to persist throughout the entire construction period and would occur only when heavy construction equipment is operating near the Project site perimeter. In addition, construction activities would be limited to daytime hours in accordance with City of El Monte requirements, thereby avoiding potential vibration impacts during sensitive evening and nighttime periods.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less than Significant Impact: The closest major airport is the San Gabriel Valley Airport (SGVA), located 1.5 miles northeast of the Project site. The Project site is beyond the 65 dBA CNEL noise level contour and would not be exposed to excessive noise levels from airport operations. Therefore, the Project does not have the potential to expose people residing or working in the Project area to excessive noise levels and a less than significant impact would occur. No further analysis of CEQA Guideline C is required.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. Population and Housing – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 2 – Community Design Element (2011 & 2022)
   - Chapter 3 – Land Use Element (2011& 2022)
   - Chapter 4 – Housing Element (6th Cycle 2021-2029)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

Discussion of Impacts

Would the project:

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less than Significant Impact: The CEQA Guidelines Section 15126.2(e) states growth-inducing impacts are not assumed to be beneficial, detrimental, or of little significance to the environment, but that a proposed project should be assessed in how it could foster economic growth or population growth, or the construction of additional housing, either directly or indirectly. The most immediate presence of potential growth related to the proposed Project would be the labor force associated with the construction of the stormwater improvements to the El Monte Storm Drain, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The Project does not propose new residential development and would not directly contribute to population growth within the City.

Operation of the Project would not generate new employment demands within the City or surrounding communities, nor would it result in a measurable increase in the City's population. Significant population growth is therefore not anticipated to result from Project implementation. The Project is consistent with the General Plan and will facilitate

pedestrian improvements including a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. The Project would include infrastructure improvements that are localized to the Project site and its immediate surroundings and would not be anticipated to facilitate unplanned population growth. Based on the preceding, the potential for the Project to induce substantial growth directly or indirectly is considered less than significant.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact: The Project site does not contain existing housing, and the proposed Project would not displace substantial numbers of existing housing or people, either directly or indirectly. Therefore, the Project would result in no impact related to housing or population displacement.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. Public Services – Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service rations, response times or other performance objectives for any of the public services:				
i) Fire protection?	☐	☐	☐	☒
ii) Police protection?	☐	☐	☐	☒
iii) Schools?	☐	☐	☐	☒
iv) Parks?	☐	☐	☐	☒
v) Other public facilities?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    - Chapter 8 – Public Services and Facilities Element (2011)
    - Chapter 10 – Public Health and Safety Element (2022)
    - Chapter 11 – Health and Wellness Element (6th Cycle 2021-2029)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

Discussion of Impacts

Would the project:

a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service rations, response times or other performance objectives for any of the public services:

i) Fire protection?

No Impact: Fire protection services to the Project site are provided by the Los Angeles County Fire Department (LACoFD). The Project site is served by Fire Station 166 which is located approximately 0.82 miles southwest of the Project site at 3165 Santa Anita

Avenue in El Monte. If additional fire protection services are needed, Fire Station 168 is located approximately 1.89 miles east of the Project site at 3207 Cogswell Road in El Monte.

The City aims for a standard of the National Fire Protection Association (NFPA) which recommends that the first arriving unit arrives within four (4) minutes 90 percent of the time. According to the City's General Plan, the LACoFD does not have an officially adopted emergency response time standard, though fire staff have a policy to respond within five minutes, which is a recognized standard of the National Fire Protection Association. The proposed Project does not include residential or commercial development. Therefore, construction of a new or expanded fire station would not be required. Based on the foregoing, the proposed Project would receive adequate fire protection service and would not result in the need for new or physically altered fire protection facilities. No impacts to fire protection services would occur.

ii) Police protection?

No Impact: Police protection services to the Project site are provided by the El Monte Police Department. The Project site is served by the El Monte Police Department, located at 11333 Valley Boulevard approximately 1.27 miles southwest of the site. The Project would not introduce any new residential or commercial development and does not include any new population growth. Therefore, the Project would not require or result in the construction of new or physically altered police facilities. No impacts would occur.

iii) Schools?

No Impact: The Project site is located within the El Monte City School District and the El Monte Union High School District. The nearest school to the Project site is Cortada Elementary School located approximately 0.11 miles southwest of the Project site. Portero School is located approximately 0.4 miles southwest of the Project site, and Wilkerson Elementary School is located approximately 0.5 miles southeast of the Project site. The proposed Project would not create a direct demand for public school services, as the Project does not include residential uses, commercial uses, or population increase. Therefore, the Project would have no impact on schools.

iv) Parks?

No Impact: The nearest park to the Project site is Merced Avenue Linear Park located immediately east and bisects Merced Avenue. The nearest trail to the Project site is the Rio Hondo Trail which runs along the Rio Hondo Channel. The Project does not include the construction residential or commercial uses that would increase the population. As such, implementation of the proposed Project would not adversely affect parks and public facilities or require the construction of new or modified public facilities, therefore, no impact would occur.

v) Other public facilities

No Impact: Demand for public facilities is generated by the population within a facility's service area. The Project would not induce population growth and therefore would not create a demand for public facilities/services, including libraries, community recreation

centers, post offices, and animal shelters. As such, implementation of the proposed Project would not adversely affect or require the construction of new or modified public facilities, no impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. Recreation				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 5 – Parks and Recreation Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

Discussion of Impacts

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

a-b) No Impact: The City proposes to replace the City-owned El Monte Storm Drain between Merced Avenue and Brockway Street. The Project does not include any type of residential use or other land use that may generate a population that would increase the utilization of existing neighborhood and regional parks or other recreational facilities. Accordingly, implementation of the proposed Project would not result in substantial physical deterioration of an existing neighborhood or regional park. The Project does not include any new on- or off-site recreation facilities, nor the expansion of any existing off-site recreational facilities. Thus, environmental effects related to the use, construction, or expansion of recreational facilities would not occur with implementation of the proposed Project. No impact on recreational facilities would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. Transportation/Traffic – Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☐	☒
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
d) Result in inadequate emergency access?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    - Chapter 2 – Community Design Element (2011 & 2022)
    - Chapter 3 – Land Use Element (2011 & 2022)
    - Chapter 6 – Circulation Element (2011)
    - Chapter 10 – Public Health and Safety Element (2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

Discussion of Impacts

Would the project:

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Less than Significant Impact: The City proposes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The Project encompasses approximately 2.56 acres and includes 0.35 miles of channel. Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site. The Project would not conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities, impacts

would be less than significant.

b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

No Impact: CEQA Guidelines Section 15064.3 subdivision (b) regards Vehicle Miles Traveled (VMT) and whether the land use project will generate vehicle miles traveled in excess of an applicable threshold of significance. The proposed Project does not include any development, such as residential or commercial, that would generate additional vehicle miles traveled. The Project would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b), and no impact would occur.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact: The Project will include pedestrian improvements such as a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. The proposed Project does not include any sharp curves or traffic intersection crossings. Therefore, the Project would not substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses, and no impact would occur.

d) Result in inadequate emergency access?

Less than Significant Impact: During construction, temporary lane closures or traffic diversions may occur along Merced Avenue and Brockway Street. If required, detour signage would be installed on adjacent streets to redirect traffic. These impacts would be temporary and intermittent, occurring between May 2027 and December 2028, depending on the specific construction activities and Project phase. Furthermore, the proposed Project would not impede implementation of the City's Emergency Operations Plan. Therefore, the Project would not result in inadequate emergency access to the Project site. Thus, a less than significant impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. Tribal Cultural Resources – Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?	☐	☐	☒	☐
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    - Chapter 9 – Cultural Resources Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)

Findings of Fact: As of July 1, 2015, Public Resources Code Sections 21080.1, 21080.3.1, and 21080.3.2 require public agencies to consult with California Native American tribes recognized by the Native American Heritage Commission (NAHC) for the purpose of mitigating impacts to tribal cultural resources. This law does not preclude agencies from initiating consultation with the tribes that are culturally and traditionally affiliated with their jurisdictions.

In accordance with Public Resources Code Section 21080.3.1(d), a lead agency is required to provide formal notification of intended development projects to Native American tribes that have requested to be on the lead agency's list for receiving such notification. The formal notification is required to include a brief description of the proposed Project and its location, lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation for tribal cultural resources.

The City, as Lead Agency, commenced the AB 52 process by transmitting letters of notification on November 24, 2025, to eight (8) tribes that are traditionally and/or culturally

affiliated with the Project area or have specifically requested notice for all projects within the City. The tribes included in the notification were the Cahuilla Band of Indians, Gabrieleño Band of Mission Indians – Kizh Nation, Gabrieleño/Tongva San Gabriel Band of Mission Indians, Gabrielino Tongva Indians of California Tribal Council, Gabrielino/Tongva Nation, Gabrielino-Tongva Tribe, Santa Rosa Band of Cahuilla Indians, and Soboba Band of Luiseno Indians.

The City received requests for consultation from the Gabrieleño Band of Mission Indians – Kizh Nation on December 8, 2025. The City responded on December 8, 2025 resulting in a phone call completed on January 22, 2026.

Discussion of Impacts

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

Less than Significant Impact: Based on a review of available records, including cultural resources report (Appendix C, and the AB 52 consultation process, no historical resources that are listed in or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources, have been identified within the Project site.

As part of AB 52 compliance, the City initiated formal consultation with California Native American tribes traditionally and/or culturally affiliated with the Project area. Consultation was requested by the Gabrieleño Band of Mission Indians – Kizh Nation and was completed through correspondence and a phone call on January 22, 2026. Through this consultation process, no tribal cultural resources or historical resources eligible for listing in the California Register or a local register were identified within the Project area.

Therefore, implementation of the proposed Project would not cause a substantial adverse change in the significance of a historical resource, and impacts related to listed or eligible historical resources would be less than significant.

b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Less than Significant Impact: Pursuant to Public Resources Code Section 5024.1(c), the City, as Lead Agency, considered whether any cultural resources within the Project area meet the criteria for significance, including whether such resources are important to the history, traditions, or culture of a California Native American tribe. This determination was informed by a review of available cultural resources records and the AB 52 consultation process.

As described above, the City initiated AB 52 consultation with tribes traditionally and/or culturally affiliated with the Project area. The Gabrieleño Band of Mission Indians – Kizh Nation requested consultation, and consultation was completed through written correspondence and a phone call on January 22, 2026. Through this consultation process, no tribal cultural resources or other cultural resources that would meet the significance criteria of PRC Section 5024.1(c) were identified within the Project site.

Based on substantial evidence in the record, the City did not identify any resources within the Project area that it determined, in its discretion, to be significant under the criteria set forth in PRC Section 5024.1(c), including resources of significance to a California Native American tribe. Therefore, the proposed Project would not result in a significant impact to tribal cultural resources under this criterion, and impacts would be **less than significant**.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. Utilities and Service Systems – Would the project:				
a) Require or result in the relocation or construction of new or expanded water or wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☐	☒
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☐	☒
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
    - Chapter 8 – Public Services and Facilities Element (2011)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. City of El Monte Municipal Code, Title 13- Public Services, Chapter 13.20 – Stormwater and Urban Runoff Pollution Control
4. City of El Monte 2020 Urban Water Management Plan. Michael K. Nunley and Associates, Inc. August 2022. Microsoft Word - El Monte 2020 UWMP Final

Discussion of Impacts

Would the project:

a) Require or result in the relocation or construction of new or expanded water or

wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less than Significant Impact: The proposed Project does not include the development of residential or commercial structures that would require new or expanded utility services, the construction or relocation of water or wastewater treatment facilities, natural gas, or telecommunication facilities. The Project would include stormwater improvements including the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Diverted water will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end. The bioswale will have a ponding depth of 0.75 feet, a footprint area of 0.3 acres, and a storage volume of 0.23 acre-feet. The bioswale will also be underlain by a subsurface passive irrigation system, which will allow a portion of the infiltrated water to be stored for future use by vegetation on the surface. The Project would be required to comply with applicable City's stormwater management, Low Impact Development (LID), and grading and drainage requirements, which implement regional MS4 permit standards. Compliance with these standards would ensure that post-development runoff is appropriately conveyed and managed, and that the Project would not result in increased flooding or drainage impacts. Therefore, the proposed Project would not cause significant environmental effects and impacts would be less than significant.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?

No Impact: The Main San Gabriel Groundwater Basin (Main Basin) is a large groundwater basin replenished by stream runoff from the adjacent mountains and hills, by rainfall directly on the surface of the Valley floor, subsurface inflow from the Raymond Basin and Puente Basin, and by return flow from water applied for overlaying uses. Additionally, the Main Basin is replenished with imported water. The Main Basin serves as a natural storage reservoir, transmission system and filtering medium for wells constructed therein. The City's existing and planned sources of water only include groundwater from the Main Basin. The City exercises its adjudicated rights to pump groundwater from the Main Basin whose management is under the authority of the Main San Gabriel Basin Watermaster. The City produces groundwater through its nine (9) active wells in the Main Basin. Groundwater is treated at six (6) facilities. The City's groundwater production and treatment have surplus capacity and is highly redundant. The City's groundwater production and treatment infrastructure is not a constraint on reliability under normal, single dry year or five consecutive dry year conditions. The City will continue to work in coordination with the Main San Gabriel Watermaster, the Upper San Gabriel Valley Municipal Water District, and participating agencies in the El Monte Operable Unit to maximize resources and minimize demand. The City relies entirely on groundwater and does not anticipate importing water from other agencies (2020 Urban Water Management Plan).

Water services for the Project site are provided by the California American Water

Company, Public Works, and San Gabriel Valley Water Company. Water may be used during the construction phase of the Project. However, the Project does not include the development of residential or commercial uses and would therefore not require water supplies during the long-term operation of the Project. Therefore, no impacts to the City's water system are anticipated.

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

No Impact: The City's General Plan indicates that wastewater collection facilities serving the City are owned, operated, and maintained by the City Public Works Department and include approximately 125 miles of pipeline and seven (7) pump stations. The Sanitation Districts of Los Angeles County treat wastewater at the Whittier Narrows Water Reclamation Plant, located south of the City, and then recycle the water for irrigation and groundwater recharge. The proposed Project does not include development, such as residential or commercial, that would require wastewater services. Therefore, no impact would occur.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less than Significant Impact: The City receives solid waste services from Valley Vista Services, which provides curbside collection of trash, recyclables, and green waste to all single-family residences. The trucks typically go to the Grand Central Recycling and Transfer Station, where waste is offloaded, sorted and processed. Hazardous waste is managed by the Los Angeles County Fire Department. The proposed Project would generate solid waste during the construction phase of the Project on a short-term basis. The Project will not generate solid waste during the long-term operation. Based on the preceding, the potential for the Project to generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals is less than significant.

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less than Significant Impact: The Project would be implemented and operated in compliance with applicable City General Plan Goals and Policies, and would comply with City Zoning regulations specifically, the Project would comply with local, state, and federal initiatives and directives acting to reduce and divert solid waste from landfill waste streams. The Project would comply with the California Integrated Waste Management Act of 1989 (AB 939) and AB 341 as implemented by the City. The proposed Project is required to comply with all applicable federal, state, County, and City statues and regulations related to solid waste as a standard project condition of approval. Therefore, a less than significant impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. Wildfire – If located in or near a State Responsibility Area ("SRA"), lands classified as very high fire hazard severity zone, or other hazardous fire areas that may be designated by the Fire Chief, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

Project Impacts and Mitigation Measures

Sources:

1. City of El Monte General Plan, Adopted June 2011, Updated February and June 2022.
   - Chapter 10 – Public Health and Safety Element (2022)
2. City of El Monte General Plan Update and Zoning Code Update Environmental Impact Report, Final Draft (May 2011)
3. California Department of Forestry and Fire Protection. Fire Hazard Severity Zones Map. Accessed January 23, 2026. Fire Hazard Severity Zones in State Responsibility Area

Discussion of Impacts

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact: Wildland fire protection in California is the responsibility of the state, local government, or the federal government. The Project site is located within a Local Responsibility Area (LRA), as identified on the latest Fire Hazard Severity Zone (FHSZ) map prepared by the California Department of Forestry and Fire Protection (CALFIRE). The Project site is not located in a State Responsibility Area (SRA) or classified as a Very High Fire Severity Zone (VHFSZ) within an LRA.

In the event of an emergency requiring evacuation, the City provides multiple evacuation options through its existing local and regional transportation network. The City is served by Interstate 605 and Interstate 10, as well as major arterial roadways including Ramona Boulevard, Lower Azusa Road, Valley Boulevard, Garvey Avenue, Baldwin Avenue, Santa Anita Avenue, Peck Road, and Durfee Avenue. This roadway network allows for multiple routes for emergency access and resident evacuation. During construction, temporary lane closures or traffic diversions may occur along Merced Avenue and Brockway Street. If required, detour signage would be installed on adjacent streets to redirect traffic. These impacts would be temporary and intermittent, occurring between May 2027 and December 2028, depending on the specific construction activities and Project phase. The long-term operation of the Project does not block access to surrounding properties and does not impede the City's evacuation program. Based on the preceding, the potential for the Project to substantially impair an adopted emergency response or evacuation plan is less than significant.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less than Significant Impact: The San Gabriel Valley has frequent periods of extremely hot weather and occasional periods of winter storms, or Santa Ana wind conditions. Although the basin has a semiarid haze, the presence of a shallow marine layer, low average wind speeds, and frequent temperature inversions limit the dispersion of air pollutants. The proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. Diverted water will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end. The bioswale will have a ponding depth of 0.75 feet, a footprint area of 0.3 acres, and a storage volume of 0.23 acre-feet. The bioswale will also be underlain by a subsurface passive irrigation system, which will allow a portion of the infiltrated water to be stored for future use by vegetation on the surface. The vegetated bioswale will play a crucial role in managing and filtering stormwater runoff, which will help reduce pollution and recharge groundwater. Furthermore, the vegetated bioswale and relatively flat conditions, the Project would not exacerbate wildfire risks. Additionally, the Project is not located in a wildland fire area or VHFSZ. Therefore, the Project does not cause greater wildfire risks than other developments throughout the City. Therefore, a less than significant impact would occur.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No Impact: The Project does not require the installation or maintenance of associated infrastructure that would exacerbate fire risks or result in temporary or ongoing impacts to the environment. Although the Project will include infrastructure improvements such as raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street, these improvements would

be concentrated to the immediate surroundings of the Project site and are unlikely to exacerbate fire risk, no impact would occur.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less that Significant Impact: The proposed Project will maintain the existing flow from storm drains along Garvey Avenue and Merced Avenue. Proposed stormwater improvements include the replacement of the existing concrete channel with a subsurface reinforced box culvert as well as a diversion structure that will convey all dry-weather flows and some wet-weather flows to a stormwater capture system. The diverted water that will undergo pretreatment and be pumped into a vegetated bioswale before overflowing back into the proposed box culvert at its downstream end, is not substantial enough to increase the rate or amount of surface runoff. According to the City's General Plan Environmental Impact Report, the City is designated as Zone X, or an area of minimal flood hazard, indicating that no portion of the City is located within the 100-year floodplain. Additionally, the Project site and the site's surroundings are relatively flat. Therefore, the Project would not expose people or structures to significant risks, including downslope or downstream flooding or landslides, a less than significant impact would occur.

	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. Mandatory Findings of Significance				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California History or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? (Cumulatively considerable means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☒	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

Discussion of Impacts

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California History or prehistory?

Less than Significant Impact with Mitigation Incorporated: The proposed Project would not substantially impact any scenic vistas, scenic resources, or the visual character of the area, and would not result in excessive light or glare. The site is currently fully developed and includes a concrete channel, concrete driveways at Merced Avenue and Brockway Street, an asphalt maintenance road that runs parallel to the channel and associated stormwater infrastructure at Merced Avenue and Brockway Street. Ornamental trees line the northern and southern boundaries of the site providing buffer between the surrounding residential uses and the channel. The proposed Project would not significantly impact any sensitive species, plant communities, fish, wildlife, or habitat for any sensitive species with the implementation of Mitigation Measure **BIO-1**.

As described in Section VIII, adverse impacts to geology and soils would be less than significant with incorporation of Mitigation Measure **GEO-1** through **GEO-8**. Based on the preceding analysis of potential impacts in the responses to Sections I through XX, no evidence is presented that the proposed Project would degrade the quality of the environment. Impacts related to degradation of biological resources and geology and soils would be less than significant with mitigation incorporated.

b) Does the project have impacts that are individually limited, but cumulatively considerable? (Cumulatively considerable means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less than Significant Impact: Cumulative impacts can result from the interactions of environmental changes resulting from one proposed Project with changes resulting from other past, present, and future projects that affect the same resources, utilities and infrastructure systems, public systems, transportation network elements, air basin, watershed, or other physical conditions. Such impacts could be short-term and temporary, usually consisting of overlapping construction impacts, as well as long-term, due to the permanent land use changes and operational characteristics involved with the proposed Project.

Implementation of the Project, in conjunction with other approved or pending projects in the region, would not result in cumulatively considerable impacts. Where appropriate, the environmental checklist questions above include discussion regarding cumulative impacts of the Project when developed in conjunction with related projects. As concluded throughout the analysis, the proposed Project would include both operation- and construction-related project components whose adherence to applicable regulations would ensure that the Project's incremental contribution would be less than cumulatively considerable. Further, the Project would not achieve short-term environmental goals to the disadvantage of long-term goals. Therefore, cumulatively considerable impacts would be considered less than significant.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less than Significant Impact: Based on the analysis of the Project's impacts in the responses to items I through XX, there is no indication that this Project could result in substantial adverse effects on human beings. While there would be a variety of temporary adverse effects during construction, these would be less than significant. There are no significant long-term effects related to traffic, noise, hazardous materials, emissions of criteria pollutants and greenhouse gas emissions, increased demand for water use, wastewater disposal, and electricity use, or increased demand on emergency response services. Environmental effects would result in less than significant impacts. Based on the analysis in this Initial Study, direct and indirect impacts to human beings would be less than significant.

CHAPTER FOUR – MITIGATION, MONITORING, AND REPORTING PROGRAM (MMRP)

Mitigation measures are included within each section of the initial study checklist and are provided below. *Table 22-1: Mitigation Monitoring and Reporting Program* outlines the potential impacts and mitigation measures of the proposed Project and assigns responsibility for the oversight of each mitigation measure. This Table shall be included in all bid documents and included as a part of the Project development.

Table 22-1: Mitigation Monitoring and Reporting Program

Section Number	Mitigation Measures	Responsible for Monitoring	Timing	Impact after Mitigation
Biological Resources				
V. Biological Resources	**BIO-1: Pre-construction Nesting Bird Surveys** If construction occurs during the nesting bird season (February 1st through August 31st), a one-day Preconstruction Nesting Bird Survey shall be conducted by a qualified biologist to determine the presence/absence of nesting birds. The location, and status of any active nests on or directly adjacent to the Project Site will be determined by this survey. If active nest(s) are located, the extent of the survey buffer area surrounding the nest should be established by the qualified biologist to ensure that direct and indirect effects to nesting birds are avoided. To avoid the destruction of active nests and to protect the reproductive success of birds protected by the MBTA and the CFGC, the nesting bird survey shall occur no earlier than seven (7) days prior to the commencement of construction. In the event active nests are	Applicant and City of El Monte	Prior to ground-disturbance	Less than Significant

Section Number	Mitigation Measures	Responsible for Monitoring	Timing	Impact after Mitigation
	discovered, a suitable buffer (distance to be determined by the biologist) shall be established around such active nests, and no construction within the buffer allowed, until the biologist has determined that the nest(s) is no longer active (i.e., the nestlings have fledged and are no longer reliant on the nest).			
Cultural Resources				
V. Cultural Resources	**CUL-1: Inadvertent Finds** If previously unidentified cultural materials are unearthed during Project-related construction, work shall be halted in that area until the qualified archaeologist can assess the significance of the encountered materials. If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has determined the origin and disposition of the remains, pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her/their authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within48 hours of notification by the NAHC and may recommend scientific removal and nondestructive analysis of human remains	Applicant and City of El Monte	If previously unidentified cultural materials are unearthed during construction	Less than Significant

Section Number	Mitigation Measures	Responsible for Monitoring	Timing	Impact after Mitigation
	and/or items associated with Native American remains/mortuary features.			
Geology and Soils				
VIII. Geology and Soils	**GEO-1: Compliance with the California Building Code** The Project shall be designed and constructed in accordance with the current California Building Code (CBC) and ASCE 7 seismic design standards. Structural design shall incorporate all applicable seismic provisions and recommendations provided by the project geotechnical engineer and structural engineer of record. Compliance with these requirements shall be verified during plan check and construction inspection. Implementation of this mitigation measure would reduce impacts related to seismic ground shaking to a less-than-significant level.	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant
VIII. Geology and Soils	**GEO-2: Design Level Geotechnical Investigation** Prior to issuance of grading or building permits, a design-level geotechnical investigation shall be prepared for the Project. The investigation shall evaluate the potential for liquefaction and lateral spreading under both static and seismic conditions and shall identify site-specific mitigation measures, as necessary. Mitigation measures may include, but are not limited to, ground improvement,	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant

Section Number	Mitigation Measures	Responsible for Monitoring	Timing	Impact after Mitigation
	foundation design modifications, or other appropriate engineering solutions. The Project shall be designed and constructed in accordance with the approved geotechnical recommendations. Implementation of this mitigation measure would reduce impacts related to liquefaction and lateral spreading to a less-than-significant level.			
VIII. Geology and Soils	**GEO-3: Sedimentation and Erosion Control Measures** The Project shall incorporate permanent and temporary erosion and sediment control measures in compliance with applicable grading codes and best management practices. Measures shall include, as appropriate, slope stabilization, surface drainage improvements, landscaping, paving of exposed surfaces, and protection of graded slopes until vegetation is established. During construction, temporary erosion control measures (e.g., sediment basins, fiber rolls, sandbags) shall be installed and maintained to prevent off-site sediment transport. Implementation of these measures would reduce erosion and sedimentation impacts to a less-than-significant level..	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant
VIII. Geology and Soils	**GEO-4: Seismically Induced Settlement** The design-level geotechnical investigation required under Mitigation Measure GEO-2 shall also evaluate the potential for seismically	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant

Section Number	Mitigation Measures	Responsible for Monitoring	Timing	Impact after Mitigation
	induced settlement, including the magnitude and distribution of anticipated settlement. The investigation shall provide recommendations to mitigate settlement impacts, which may include over-excavation, soil improvement, or foundation design measures. The Project shall be designed and constructed in accordance with the approved geotechnical recommendations. Implementation of this mitigation measure would reduce impacts related to seismically induced settlement to a less-than-significant level.			
VIII. Geology and Soils	**GEO-5: Seismically Induced Flooding** The Project shall be designed to account for the potential effects of seismically induced flooding, including earthquake-related infrastructure or dam failures, as applicable. Project design shall incorporate applicable flood protection, drainage, and structural design measures consistent with local, state, and federal requirements. Compliance shall be verified during plan review and construction. Implementation of this mitigation measure would reduce impacts related to seismically induced flooding to a less-than-significant level.	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant
VIII. Geology and Soils	**GEO-6: Slope Stability and Landslides**	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant

Section Number	Mitigation Measures	Responsible for Monitoring	Timing	Impact after Mitigation
	Once grading plans are prepared, a site-specific geotechnical analysis shall be conducted to evaluate slope stability under both static and seismic conditions. The analysis shall provide recommendations for slope design, stabilization, and construction methods. All manufactured slopes shall be designed and constructed in accordance with the approved geotechnical report, the California Building Code, and applicable City and/or County standards. Implementation of this mitigation measure would reduce impacts related to slope instability and landslides to a less-than-significant level.			
VIII. Geology and Soils	**GEO-7: Soil Expansion** A design-level geotechnical investigation shall include laboratory testing of near-surface soils to evaluate expansive soil potential. Based on the results, the geotechnical engineer shall provide foundation, slab, and retaining wall design recommendations. The Project shall be designed and constructed in accordance with these recommendations. Implementation of this mitigation measure would reduce impacts related to expansive soils to a less-than-significant level.	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant
VIII. Geology and Soils	**GEO-8: Compressible Soils**	Applicant and City of El Monte	Prior to Issuance of a grading permit	Less than Significant

Section Number	Mitigation Measures	Responsible for Monitoring	Timing	Impact after Mitigation
	A design-level geotechnical investigation shall evaluate the presence and extent of compressible soils at the Project site. The investigation shall recommend appropriate mitigation measures, which may include soil removal, ground improvement, or specialized foundation design. The Project shall be designed and constructed in accordance with the approved geotechnical recommendations. Implementation of this mitigation measure would reduce impacts related to compressible soils to a less-than-significant level.			

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5.2 List of Preparers

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APPENDIX A
Merced Avenue Stormwater Capture Air Quality Analysis

MERCED AVENUE STORMWATER CAPTURE

AIR QUALITY ANALYSIS

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Reference Number
15953-02 AQ Report

Agency
City of El Monte

Date
December 15, 2025

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LIST OF ABBREVIATED TERMS

µg/m^3	Microgram per Cubic Meter
1992 CO Plan	1992 Federal Attainment Plan for Carbon Monoxide
1993 CEQA Handbook	SCAQMD's CEQA Air Quality Handbook (1993)
2016-2040 RTP/SCS	2016-2040 Regional Transportation Plan/Sustainable Communities Strategy
AB 2595	California Clean Air Act
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
BC	Black Carbon
Brief	Brief of Amicus Curiae by the SCAQMD in the Friant Ranch Case
C_2Cl_4	Perchloroethylene
C_4H_6	1,3-butadiene
C_6H_6	Benzene
C_2H_3Cl	Vinyl Chloride
C_2H_4O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEQA Guidelines	2019 CEQA Statute and Guidelines
CH_2O	Formaldehyde
CO	Carbon Monoxide
COH	Coefficient of Haze
COHb	Carboxyhemoglobin
County	City of El Monte
Cr(VI)	Chromium
EC	Elemental Carbon
EIR	Environmental Impact Report
EMFAC	Emissions FACtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight

EV	Electric Vehicle
FAR	Floor Area Ratio
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
H_2S	Hydrogen Sulfide
HI	Hazard Index
hp	Horsepower
lbs	Pounds
lbs/day	Pounds Per Day
LED	Light-Emitting Diode
LST	Localized Significance Threshold
LST Methodology	Final Localized Significance Threshold Methodology
MDR	Medium Density Residential
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2	Nitrogen
N_2O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO_2	Nitrogen Dioxide
NO_X	Nitrogen Oxides
O_2	Oxygen
O_3	Ozone
O_2 Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
ODC	Ozone Depleting Compounds
Pb	Lead
PM	Particulate Matter
PM_{10}	Particulate Matter 10 microns in diameter or less
$PM_{2.5}$	Particulate Matter 2.5 microns in diameter or less
ppm	Parts Per Million
Project	Merced Avenue Stormwater Capture
R-4	Planned Residential
RECLAIM	Regional Clean Air Incentives Market
ROG	Reactive Organic Gases
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SIPs	State Implementation Plans

SO_2	Sulfur Dioxide
SO_4	Sulfates
SO_X	Sulfur Oxides
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
VOC	Volatile Organic Compounds

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this Merced Avenue Stormwater Capture Air Quality Impact Analysis (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the CEQA Guidelines (CEQA Guidelines) (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation measures (MM) described below.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	3.4	*Less Than Significant*	*n/a*
Localized Construction Emissions	3.6	*Less Than Significant*	*n/a*
Regional Operational Emissions	3.5	*Less Than Significant*	*n/a*
Localized Operational Emissions	3.6	*Less Than Significant*	*n/a*
CO "Hot Spot" Analysis	3.7	*Less Than Significant*	*n/a*
Air Quality Management Plan	3.8	*Less Than Significant*	*n/a*
Sensitive Receptors	3.9	*Less Than Significant*	*n/a*
Odors	3.10	*Less Than Significant*	*n/a*
Cumulative Impacts	3.11	*Less Than Significant*	*n/a*

ES.2 REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel shall conform to the requirements of the South Coast Air Quality Management District (SCAQMD). SCAQMD Rules that are currently applicable to this Project are described below.

SCAQMD Rule 402

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any such persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

SCAQMD Rule 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

SCAQMD Rule 445

This rule serves to reduce emissions from wood-burning devices by prohibiting their installation in new residential developments. This rule applies to the construction of any new dwelling units within the SCAQMD.

SCAQMD Rule 1113

This rule serves to limit the VOC content of architectural coatings used on projects in the SCAQMD. This rule applies to any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects.

SCAQMD Rule 1301

This rule is intended to provide that pre-construction review requirements to ensure that new or relocated facilities do not interfere with progress in attainment of the National Ambient Air Quality Standards (NAAQS), while future economic growth within the SCAQMD is not unnecessarily restricted. The specific air quality goal is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. Rule 1301 also limits emission increases of ammonia, and Ozone Depleting Compounds (ODCs) from new, modified or relocated facilities by requiring the use of Best Available Control Technology (BACT).

SCAQMD Rule 1401

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any 1 hour that is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States (U.S.) Bureau of Mines.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Merced Avenue Stormwater Capture (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

1.1 SITE LOCATION

The Project site is located along Garvey Avenue and Merced Avenue to the Rio Hondo Channel in the City of El Monte, as shown in Exhibit 1-A.

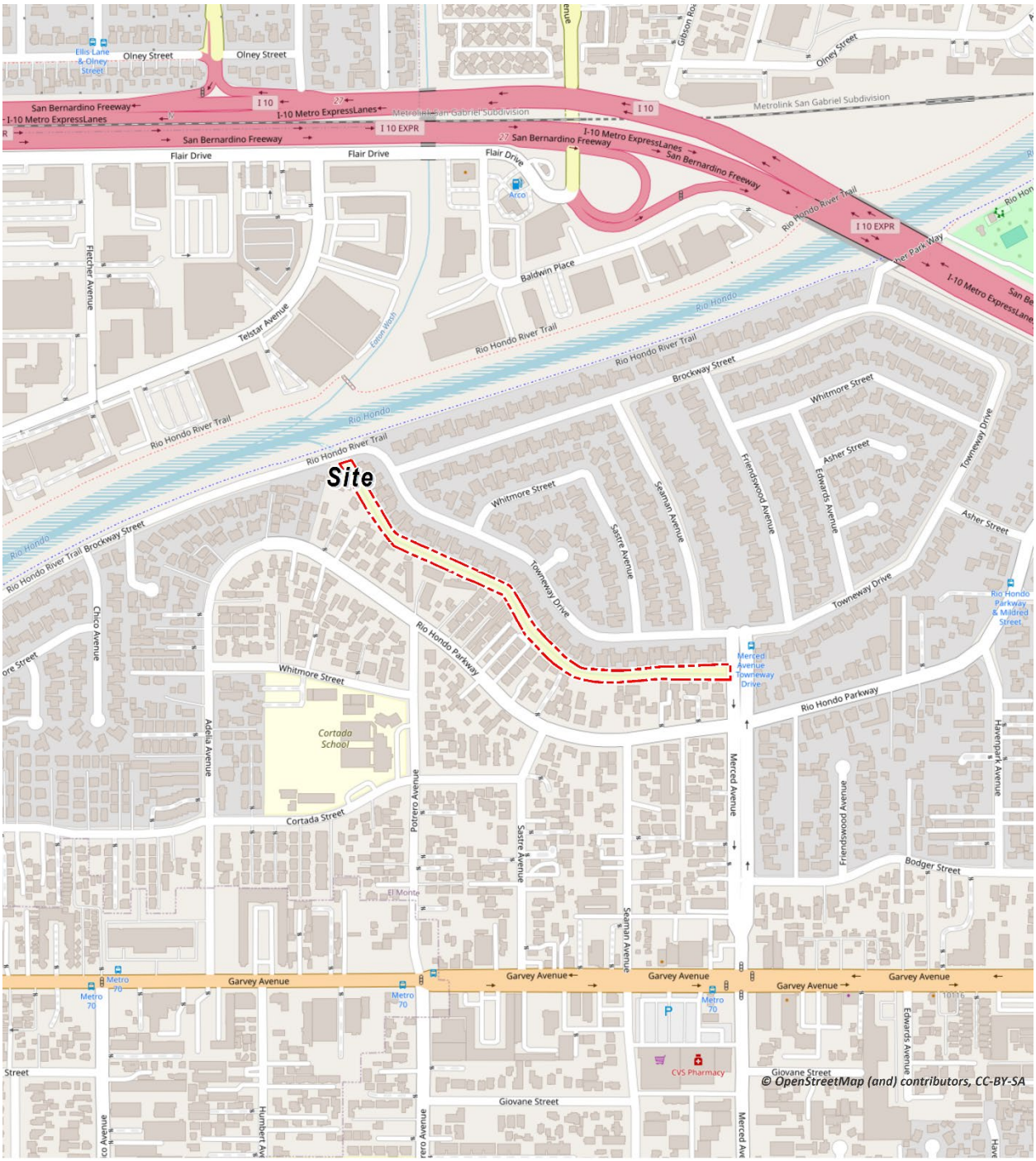
1.2 PROJECT DESCRIPTION

The City of El Monte ("City") proposes to replace the City-owned El Monte Storm Drain between Merced Avenue and Brockway Street utilizing funding from the Los Angeles County's Safe Clean Water Program (SCWP) ("Project"). The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail.

The Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site.

The area of disturbance for the Project is approximately 2.56 acres and will be limited to the Rio Hondo Channel, Merced Avenue and Brockway Street, as shown on Exhibit 1-B. Construction is anticipated to commence in May 2027 and be completed by December 2028.

EXHIBIT 1-A: LOCATION MAP



LEGEND:

Site Boundary

EXHIBIT 1-B: SITE PLAN



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2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (2). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As previously stated, the Project site is located within the SCAB, a 6,745 square-mile subregion of the SCAQMD, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and the San Diego Air Basin to the south.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality. The annual average temperatures throughout the SCAB vary from the low to mid 60s (degrees Fahrenheit °[F]). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO_2) to sulfates (SO_4) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71% along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast. Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year, there are approximately 10 hours of possible sunshine, and on the longest day of the year, there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level. A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as nitrogen oxides (NO_X) and carbon monoxide (CO) from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 Wind Patterns and Project Location

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter. Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 Air Pollutants

2.4.1 Criteria Pollutants

Air quality regulations were first promulgated with the Federal Clean Air Act (CAA) of 1970. Air quality is defined by ambient air concentrations of seven "criteria air pollutants," which are a group of common air pollutants identified by the United States Environmental Protection Agency (U.S.

EPA) to be of concern with respect to the health and welfare of the general public. Federal and State governments regulate criteria air pollutants by using ambient standards based on criteria regarding the health and/or environmental effects of each pollutant. The seven "criteria" air pollutants defined by the U.S. EPA are: (1) carbon monoxide (CO); (2) sulfur dioxide (SO_2); (3) nitrogen dioxide (NO_2); (4) ozone (O_3); (5) respirable particulate matter with a diameter of 10 microns or less (PM_{10}), (6) fine particulate matter with a diameter of 2.5 microns or less ($PM_{2.5}$), and (7) lead (Pb). Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (3).

TABLE 2-1: CRITERIA POLLUTANTS (1 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O_3), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O_2) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O_2 transport and competing with O_2 to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O_2 supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O_2 deficiency) as seen at high altitudes.
SO_2	SO_2 is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant	Coal or oil burning power plants and industries,	A few minutes of exposure to low levels of SO_2 can result in airway constriction

TABLE 2-1: CRITERIA POLLUTANTS (2 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
SO_2 (Continued)	mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO_2 oxidizes in the atmosphere, it forms SO_4. Collectively, these pollutants are referred to as sulfur oxides (SO_X).	refineries, diesel engines	in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO_2. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO_2. Animal studies suggest that despite SO_2 being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO_2 levels. In these studies, efforts to separate the effects of SO_2 from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.

TABLE 2-1: CRITERIA POLLUTANTS (3 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
NO_2	NO_2 is a key component of nitrogen oxides (NO_X), which also includes nitric oxide (NO) and nitrous oxide (N_2O). NO_X compounds are primarily produced during combustion processes when nitrogen (N_2) reacts with oxygen (O_2). Both NO and NO_2 serve as precursors in the formation of O_3 and $PM_{2.5}$, making their monitoring crucial for air quality assessments. NO_2, being the more abundant form of NO_X in the atmosphere, has a relatively short lifespan of one to seven days, which enhances its significance as a major air pollutant. As a criteria air pollutant, NO_2 poses various health risks, including respiratory issues and increased vulnerability to infections. It also absorbs blue light, imparting a brownish-red hue to the atmosphere and contributing to reduced visibility and smog formation. Given that NO emissions largely convert to NO_2, the examination of NO_X emissions becomes essential when assessing potential air quality impacts. The concentrations of NO_2 are closely related to traffic density, often resulting in higher exposure levels for commuters in heavy traffic compared to what regional monitoring stations may indicate.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO_2 at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO_2 in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups. In animals, exposure to levels of NO_2 considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O_3 exposure increases when animals are exposed to a combination of O_3 and NO_2.
O_3	O_3 is a highly reactive and unstable gas that is formed when VOCs and NO_X, both	Formed when ROGs and NO_X react in the	Individuals exercising outdoors, children, and people with preexisting lung

TABLE 2-1: CRITERIA POLLUTANTS (4 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
O_3 (Continued)	byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O_3 concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.	presence of sunlight. ROG sources include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and storage and pesticides.	disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O_3 effects. Short-term exposure (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O_3 levels are associated with increased school absences. In recent years, a correlation between elevated ambient O_3 levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and reside in communities with high O_3 levels. O_3 exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O_3 may be more toxic than exposure to O_3 alone. Although lung volume and resistance changes observed after a single exposure

TABLE 2-1: CRITERIA POLLUTANTS (5 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
O_3 (Continued)			diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.
Particulate Matter	PM_{10}: A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is caused by the scattering of light and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. Additionally, it should be noted that PM_{10} is considered a criteria air pollutant. $PM_{2.5}$: A similar air pollutant to PM_{10} consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO_4 formed from SO_2 release from power plants and industrial facilities and nitrates that are formed from NO_X release from power plants, automobiles, and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and	Sources of PM_{10} include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO_X, SO_X, organics). Incomplete combustion of any fuel. $PM_{2.5}$ comes from fuel combustion in motor vehicles, equipment, and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_X, SO_X, organics).	A consistent correlation between elevated ambient fine particulate matter (PM_{10} and $PM_{2.5}$) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer. Daily fluctuations in $PM_{2.5}$ concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter.

TABLE 2-1: CRITERIA POLLUTANTS (6 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
Particulate Matter (Continued)	weather conditions. $PM_{2.5}$ is a criteria air pollutant.		The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM_{10} and $PM_{2.5}$.
Pb	Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to generate a quantifiable amount of Pb emissions.	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure. Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous

TABLE 2-1: CRITERIA POLLUTANTS (7 OF 7)

Criteria Pollutant	Description	Sources	Health Effects
Pb (Continued)			environmental Pb exposure of their mothers.

2.4.2 Additional Pollutants

The SCAQMD's primary focus is to achieve the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) for criteria pollutants. However, it also has a broader mandate to control emissions of air contaminants and safeguard public health. As a result, SCAQMD regulates additional pollutants beyond criteria pollutants, including reactive organic gases (ROGs), VOCs, and odors. Additional pollutants, their typical sources, and health effects are identified below (3).

TABLE 2-2: ADDITIONAL POLLUTANTS (1 OF 2)

Pollutant	Description	Sources	Health Effects
VOC	VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O_3 to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O_3, which is a	Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing and hobby products. Fuels are made up of organic chemicals. All of these products can release organic compounds while you are using them, and, to some degree, when they are stored.	Breathing VOCs can irritate the eyes, nose, and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.

TABLE 2-2: ADDITIONAL POLLUTANTS (2 OF 2)

Pollutant	Description	Sources	Health Effects
VOC (Continued)	criteria pollutant. The terms VOC and ROG (see below) interchangeably.		
ROG	Similar to VOC, ROGs are also precursors in forming O_3 and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO_X react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O_3, which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (4).	Odors can come from many sources including animals, human activities, industry, natures, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-3 (5).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this AQIA, the most recent state and federal standards were updated by CARB on July 16, 2024, and are presented in Table 2-3. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, PM_{10}, and $PM_{2.5}$ are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the state assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted by CARB. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (6).

TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards						
Pollutant	**Averaging Time**	**California Standards [1]**		**National Standards [2]**		
		Concentration [3]	**Method [4]**	**Primary [3,5]**	**Secondary [3,6]**	**Method [7]**
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM10)[9]	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 (PM2.5)[9]	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	9.0 µg/m^3	15.0 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		53 ppb (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	**No National Standards**		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes on next page ...

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TABLE 2-3: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and 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 arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site 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 $\mu g/m^3$ 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. EPA for further clarification and current national 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 measurement method which can be shown to the satisfaction of the ARB 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 U.S. 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 U.S. EPA.

8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

9. On February 7, 2024, the national annual PM2.5 primary standard was lowered from 12.0 $\mu g/m^3$ to 9.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15.0 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

12. 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.

13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for seven of the most common air pollutants: CO, Pb, O_3, PM_{10}, $PM_{2.5}$, NO_2, and SO_2 which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 35 permanent monitoring stations and 2 single-pollutant source Pb air monitoring sites throughout the air district (7). On January 25, 2024, CARB adopted the proposed 2023 amendments to the state and national area designations. See Table 2-4 for attainment designations for the SCAB (8). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-4: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O_3 - 1-hour standard	Nonattainment	--
O_3 - 8-hour standard	Nonattainment	Nonattainment
PM_{10}	Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment	Unclassified/Attainment
NO_2	Attainment	Unclassified/Attainment
SO_2	Attainment	Unclassified/Attainment
PB[1]	Attainment	Unclassified/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB
"-" = no standard.

2.7 LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide Southern California residents about the air quality conditions. The Project site is located within SRA 9. Within SRA 9, the East San Gabriel Valley 1 monitoring station is located approximately 8.97 miles northeast of the Project site and reports air quality data for O_3, CO, NO_2, PM_{10} and $PM_{2.5}$ for 2023 only. Therefore, the following stations' air quality data is reported herein for each year.

- SRA 9 (East San Gabriel Valley 1 – 8.97 miles northeast of the Project site) – CO, O_3 and NO_2, PM_{10}, $PM_{2.5}$ for 2022.
- SRA 9 (East San Gabriel Valley 2 – 12.95 miles northeast of the Project site) – CO, O_3 and NO_2, PM_{10}, for 2023 and 2024.
- SRA 8 (West San Gabriel Valley – 5.98 miles northwest of the Project site) – $PM_{2.5}$, for 2023 and 2024.

Data from the East San Gabriel Valley 2 and West San Gabriel Valley monitoring stations were utilized only in instances where data was not available from the East San Gabriel Valley 1 monitoring station.

The most recent three (3) years of data available is shown in Table 2-5 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site. Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ for 2022 through 2024 was obtained from the SCAQMD Air Quality Data Tables (9). Additionally, data for SO_2 has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO_2 concentrations.

TABLE 2-5: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2022-2024

Pollutant	Standard	Year		
		2022	2023	2024
O_3				
Maximum Federal 1-Hour Concentration (ppm)		0.111	0.155	0.145
Maximum Federal 8-Hour Concentration (ppm)		0.080	0.110	0.114
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	6	57	82
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	11	72	96
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	1.3	0.8	1.4
Maximum Federal 8-Hour Concentration	> 20 ppm	0.9	0.6	1.1
NO_2				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.045	0.088	0.048
Annual Federal Standard Design Value		0.013	0.008	0.009
PM_{10}				
Maximum Federal 24-Hour Concentration (µg/m³)	> 150 µg/m³	98	126	82
Annual Federal Arithmetic Mean (µg/m³)		37.9	22.4	27.5
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m³	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m³	7	3	10
$PM_{2.5}$				
Maximum Federal 24-Hour Concentration (µg/m³)	> 35 µg/m³	18.4	22.2	51.3
Annual Federal Arithmetic Mean (µg/m³)	> 12 µg/m³	9.98	8.74	10.89
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m³	0	0	2

ppm = Parts Per Million
µg/m³ = Microgram per Cubic Meter
Source: Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ was obtained from SCAQMD Air Quality Data Tables.

2.8 REGULATORY BACKGROUND

2.8.1 Federal Regulations

The EPA is responsible for setting and enforcing the NAAQS for O_3, CO, NO_X, SO_2, PM_{10}, and Pb (10). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB. The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air

quality standards, the NAAQS, and specifies future dates for achieving compliance (11). The CAA also mandates that states submit and implement SIPs for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (12) (13). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O_3, NO_2, SO_2, PM_{10}, CO, $PM_{2.5}$, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O_3 and to adopt a NAAQS for $PM_{2.5}$. Table 2-4 (previously presented) provides the NAAQS within the SCAB. Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_X. NO_X is a collective term that includes all forms of NO_X which are emitted as byproducts of the combustion process.

2.8.2 California Regulations

CARB

CARB, which became part of CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO_4, visibility, hydrogen sulfide (H_2S), and vinyl chloride (C_2H_3Cl). However, at this time, H_2S and C_2H_3Cl are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (14) (10). Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;

- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROGs, NOX, CO and PM10. However, air basins may use an alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

Title 24 Energy Efficiency Standards and California Green Building Standards

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

The 2022 California Title 24 Energy Standards became effective on January 1, 2023, with updates for the 2025 standards set to take effect on January 1, 2026. As the Project is expected to be completed in 2029, it will need to comply with the Title 24 Energy Standards in effect at that time, which may include further updates beyond the 2025 version.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2025 California Green Building Code Standards that go into effect on January 1, 2026. The Project would be required to comply with the applicable standards in place at the time plan check submittals are made.

2.8.3 Regional Regulations

Air Quality Management Plan

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMP to meet the state and federal ambient air quality standards (15). AQMPs are updated regularly to ensure an effective reduction in emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.8.

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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP and Lead Agency planning regulations. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether the Project would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (1):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The SCAQMD has developed regional and localized significance thresholds for criteria pollutants, as summarized at Table 3-1 (16). The SCAQMD's CEQA Air Quality Significance Thresholds (March 2023) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: REGIONAL EMISSIONS SIGNIFICANCE THRESHOLDS

Pollutant	Construction	Operations
NO_X	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_X	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day
ppm = Parts Per Million
µg/m3 = Micrograms Per Cubic Meter

TABLE 3-2: LOCALIZED EMISSIONS SIGNIFICANCE THRESHOLDS

Pollutant	Construction	Operations
NO_X	0.18 ppm	0.18 ppm
CO (1-hour average)	20 ppm	20 ppm
CO (8-hour average)	9 ppm	9 ppm
PM_{10}	10.4 µg/m^3	2.5 µg/m^3
$PM_{2.5}$	10.4 µg/m^3	2.5 µg/m^3

3.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.3.1 CalEEMod

Land uses such as the Project affect air quality through construction-source and operational-source emissions. The California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released CalEEMod 2022 in May 2022. CalEEMod periodically releases updates, as such the latest version available at the time of this report has been utilized in this analysis. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (17). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 through 3.5.

3.4 CONSTRUCTION EMISSIONS

3.4.1 Construction Activities

Construction activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Construction-related emissions are expected from the following construction activities:

- Linear, Grubbing & Land Clearing
- Linear, Grading & Excavation
- Linear, Drainage, Utilities, & Sub-Grade
- Linear, Paving

Demolition Activities

The site is currently developed with existing uses/structures which total approximately 2,037 tons that will be demolished. Demolished material associated with demolition will be hauled off-site. It is estimated that the demolished material will be hauled off-site and since the exact location of where the demolished material will be hauled to is not known at this time, a 20-mile distance is utilized consistent with CalEEMod defaults.

Grading Activities

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called "fugitive emissions." Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. Based on Project specific grading plans, the Project would require 3,505 cubic yards import and 4,000 cubic yards of export for earthwork activities. It is estimated that the grading material will be hauled off-site and since the exact location of where the grading material will be hauled to is not known at this time, a 20-mile distance is utilized consistent with CalEEMod defaults.

3.4.2 Construction Duration

For purposes of analysis, construction will begin in May 2027 and would last through December 2028. The construction schedule utilized in the analysis, shown in Table 3-3, represents a "conservative" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.[1] The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per the *CEQA Guidelines* (1).

TABLE 3-3: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Linear, Grubbing & Land Clearing	5/1/2027	7/1/2027	44
Linear, Grading & Excavation	7/1/2027	7/1/2028	262
Linear, Drainage, Utilities, & Sub-Grade	9/1/2027	7/1/2028	218
Linear, Paving	8/1/2028	12/18/2028	100

3.4.3 Construction Equipment

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-4 is assumed to operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City code.

[1] As shown in the CalEEMod User's Guide Version 2022, Appendix G "Table G-11. Statewide Average Annual Offroad Equipment Emission Factors" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment[1]	Quantity	Hours
Linear, Grubbing & Land Clearing	Excavators	2	8
	Signal Boards	2	8
Linear, Grading & Excavation	Excavators	2	8
	Rollers	1	8
	Graders	1	8
	Signal Boards	2	8
	Tractors/Loaders/Backhoes	1	8
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	1	8
	Signal Boards	2	8
	Graders	1	8
	Plate Compactors	1	8
	Pumps	1	8
	Air Compressors	1	8
	Generator Sets	1	8
	Excavators	1	8
Linear, Paving	Rollers	1	8
	Paving Equipment	1	8
	Pavers	1	8
	Signal Boards	2	8
	Tractors/Loaders/Backhoes	1	8

[1] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes.

3.4.4 On-Road Trips

Construction generates on-road vehicle emissions from vehicle usage for workers, vendors, and haul trucks commuting to and from the site. The number of worker, vendor, and hauling trips per phase is presented below in Table 3-5. Worker trips are based on CalEEMod defaults.

TABLE 3-5: CONSTRUCTION TRIP ASSUMPTIONS

Construction Activity	Worker Trips	Vendor Trips	Hauling Trips
Linear, Grubbing & Land Clearing	10	0	4
Linear, Grading & Excavation	18	1	8
Linear, Drainage, Utilities, & Sub-Grade	23	0	2
Linear, Paving	15	0	0

3.4.5 Construction Emissions Summary

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions without mitigation for both summer and winter

periods are summarized in Table 3-6. Detailed unmitigated construction model outputs are presented in Appendices 3.1 through 3.3. Under the assumed scenarios, emissions resulting from the Project construction would not exceed criteria pollutant thresholds established by the SCAQMD.

TABLE 3-6: CONSTRUCTION EMISSIONS SUMMARY

Construction Emissions						
Year	ROG	NO_X	CO	SO_2	$PM_{10}T$	$PM_{2.5}T$
Summer						
2027	1.84	14.61	21.15	0.03	1.55	0.72
2028	1.78	14.02	21.02	0.03	1.51	0.68
Winter						
2027	1.84	14.68	20.79	0.03	1.55	0.72
2028	1.77	14.07	20.68	0.03	1.51	0.68
Maximum Daily Emissions	1.84	14.68	21.15	0.03	1.55	0.72
SCAQMD Regional Thresholds	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendices 3.1 through 3.3.

3.5 OPERATIONAL EMISSIONS

Operational activities associated with Projects would result in emissions of CO, VOCs, NOX, SOX, PM_{10}, and $PM_{2.5}$. Operational related emissions are from the following primary sources: area source emissions, energy source emissions, and mobile source emissions.

The City of El Monte ("City") proposes to replace the City-owned El Monte Storm Drain between Merced Avenue and Brockway Street utilizing funding from the Los Angeles County's Safe Clean Water Program (SCWP) ("Project"). The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail.

The Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site. The project would serve existing and planned future development and would not generate growth. Furthermore, no stationary sources are proposed and the ongoing inspections and maintenance for the proposed project would generate minimal vehicle trips. Therefore, there are no quantifiable operational emissions associated with the proposed Project and no further analysis is required.

3.6 LOCALIZED AIR QUALITY IMPACTS

3.6.1 Background on LST Development

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that localized impacts to

air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs). The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4.[2] LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses. LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (18).

3.6.2 Emissions Considered

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_X, CO, $PM_{2.5}$, and PM_{10}. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (19)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

3.6.3 Dispersion Modeling

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved American Meteorological Society/EPA Regulatory Model (AERMOD) dispersion model was utilized. The modeling approach utilized is discussed as follows.

3.6.4 Sources

It should be noted that in order to model worst-case conditions, the highest daily peak on-site emissions resulting from overlapping construction activity were modeled. A ground level release height and a 1 meter (approximately 3.28 feet) initial vertical dimension (sigma z) were utilized for fugitive dust emissions of PM_{10} and $PM_{2.5}$ consistent with SCAQMD's LST guidance. In order to account for equipment exhaust emissions from NO_2, CO, PM_{10}, and $PM_{2.5}$ a release height of 5.0 meters was utilized consistent with SCAQMD's LST guidance.

3.6.5 Meteorological Data and Model Options

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Azusa monitoring station was utilized, as this is the nearest station to the Project site for

[2] The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "...equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD's LST guidance.

3.6.6 Receptors

As previously stated, LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities. Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors". These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use to the Project site where an individual could remain for 24 hours has been used to determine construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$, since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time.

Per the *LST Methodology*, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically on-site for 8 hours or less. However, *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours* (19)." Therefore, any adjacent land use where an individual could remain for 1 or 8 hours, that is located at a closer distance to the Project site than the receptor used for PM_{10} and $PM_{2.5}$ analysis, must be considered to determine construction and operational LST air impacts for emissions of NO_2 and CO since these pollutants have an averaging time of 1 and 8 hours.

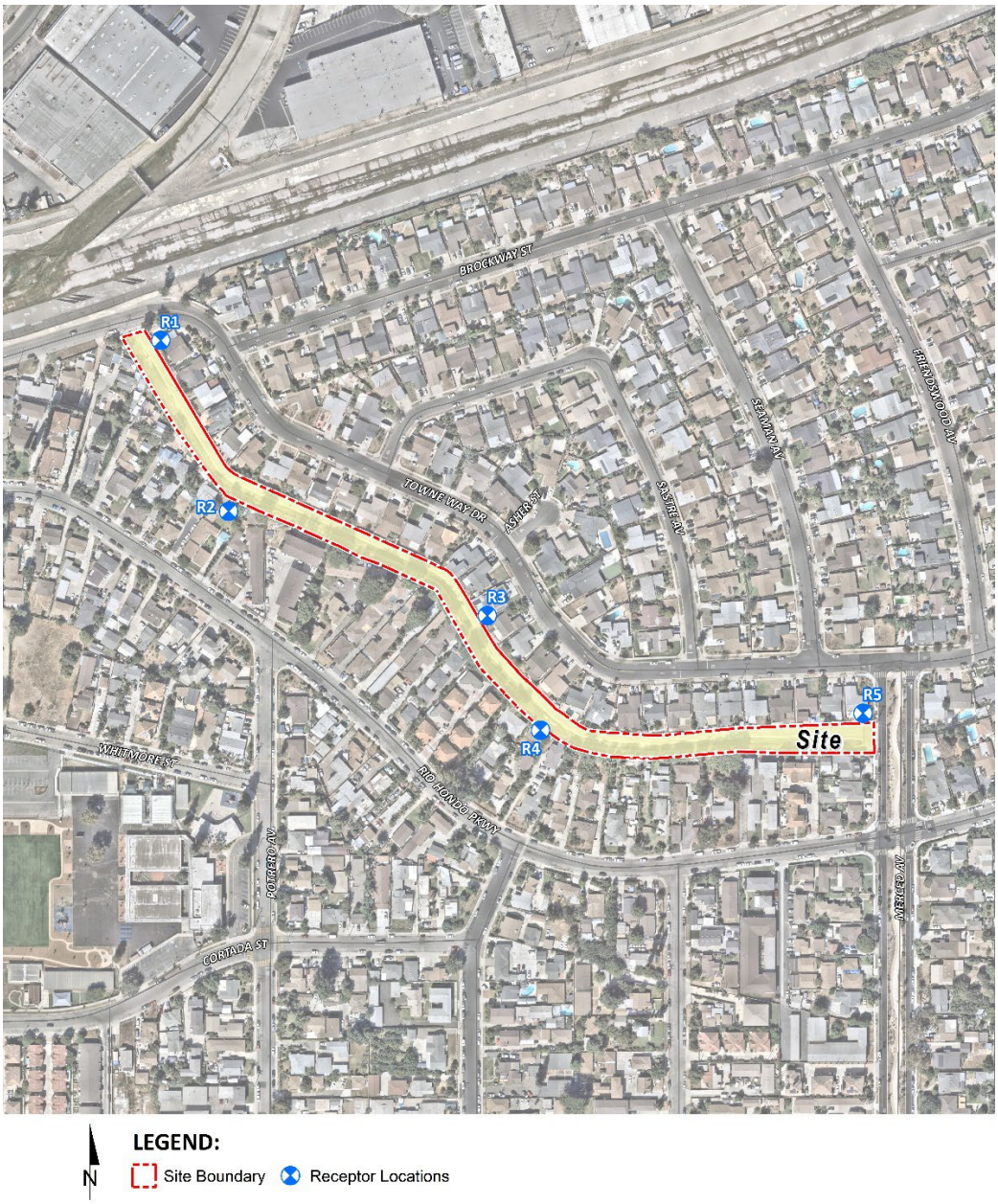
Receptors in the Project study area are described below and shown on Exhibit 3-A. Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site.

- Location R1 represents the existing residence at 9740 Towneway Dr, approximately adjacent north of the Project site. Receptor R1 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R2 represents the existing residence at 9753 Rio Honda Pkwy, approximately adjacent south of the Project site. Receptor R2 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R3 represents the existing residence at 9844 Towneway Dr, adjacent east of the Project site. Receptor R3 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R4 represents the existing residence at 9857 Rio Honda Pkwy, adjacent south of the Project site. Receptor R4 is placed at the private outdoor living areas (backyard) facing the Project site.
- Location R5 represents the existing residence at 9912 Towneway Dr, approximately adjcant north of the Project site. Receptor R5 is placed at the private outdoor living areas (backyard) facing the Project site.

The SCAQMD recommends that the nearest sensitive receptor be considered when determining a Project's impact. The nearest land use where an individual could remain for 24 hours to the Project site has been used to determine localized construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$ (since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time).

As previously stated, and consistent with LST Methodology, the nearest industrial/commercial use to the Project site is used to determine construction and operational LST air impacts for emissions of NO_X and CO as the averaging periods for these pollutants are shorter (8 hours or less) and it is reasonable to assumed that an individual could be present at these sites for periods of one to 8 hours.

EXHIBIT 3-A: RECEPTOR LOCATIONS



3.6.7 Construction-Source Localized Emissions

Emissions during the peak construction activity will not exceed the SCAQMD's localized significance thresholds at the maximally exposed receptor location, as illustrated in Table 3-7. All other modeled locations in the study area would experience lower concentrations, resulting in a reduced impact. As such, the Project's localized impacts during construction activity would be less than significant. AERMOD Outputs from the model runs for construction LSTs are provided in Appendix 3.2.

TABLE 3-7: CONSTRUCTION LOCALIZED SIGNIFICANCE SUMMARY CONSTRUCTION

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hours	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.04	0.03	1.92E-02	0.33	0.30
Background Concentration [A]	1.4	1.1	0.088		
Total Concentration	1.44	1.13	0.11	0.33	0.30
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in µg/m³. All others are expressed in ppm.
Based on SCAQMD's LST Methodology, background concentrations are considered only for CO and NO_2.

3.6.8 Operational-Source Localized Emissions

According to SCAQMD localized significance threshold methodology, LSTs would apply to the operational phase of a proposed project if the project includes stationary sources or attracts mobile sources that may spend extended periods queuing and idling at the site (e.g., warehouse or transfer facilities). The Project would generate a nominal number of traffic trips in the context of on-going maintenance resulting in a negligible amount of new mobile source emissions. Therefore, the Project would not expose sensitive receptors to substantial pollutant concentrations and impacts would be less than significant.

3.7 CO "HOT SPOT" ANALYSIS

A CO hotspot is defined as a localized concentration of carbon monoxide exceeding the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. At the time the most recent CEQA Air Quality Handbook (1993) was published by SCAQMD, the air basin was designated as non-attainment, requiring projects to perform hotspot analyses to ensure they did not worsen the existing conditions. Over the last two decades, background CO concentrations have been significantly reduced due to regulatory controls on tailpipe emissions, which have culminated in the air basin achieving attainment status for CO.

The 2003 AQMP's findings underscore that CO hotspots are highly unlikely due to the reduced background concentrations and the effectiveness of California's air quality management strategies. The substantial reduction in CO levels from the vehicle fleet and the state's attainment status for CO further diminish the need for detailed microscale hotspot analyses, reinforcing that existing monitoring and regulatory frameworks adequately address potential air quality concerns.

In 2003, the SCAQMD as part of its AQMP development process, prepared modeling to determine the potential for CO Hotspots at the four busiest intersections in the air basin. As summarized in the 2003 AQMP, even at one of the busiest intersections at that time, only 0.7 ppm of CO is attributable to vehicular traffic and the remaining 7.7 ppm were due to ambient background conditions. As shown on Table 2-5 in this report, the background 1-hour and 8-hour concentrations are well below the applicable AAQS. The 2003 AQMP's findings underscore that CO hotspots are highly unlikely due to the reduced background concentrations and the effectiveness of California's air quality management strategies. The substantial reduction in CO levels from the vehicle fleet and the state's attainment status for CO further diminish the need for detailed microscale hotspot analyses, reinforcing that existing monitoring and regulatory frameworks adequately address potential air quality concerns.

As such, Project-related traffic at any intersections within the Project area would not cause or contribute to a CO hotspot since the background concentrations are low and any contribution from Project traffic would be negligible.

3.8 AQMP

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards. Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In December 2022, the SCAQMD released the *Final 2022 AQMP* (*2022 AQMP*). The *2022 AQMP* continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (20). Similar to the 2016 AQMP, the *2022 AQMP* incorporates scientific and technological information and planning assumptions, including the *2020-2045 RTP/SCS*, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (21). The Project's consistency with the AQMP will be determined using the *2022 AQMP* as discussed below.

It should be noted that although SCAG has released an updated 2024-2050 RTP, the 2022 AQMP is based on the 2020-2045 RTP. Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (22). These indicators are discussed below:

3.8.1 Consistency Criterion No. 1

Potential to result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refer to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion 1

As evaluated, the Project's localized and regional construction-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

As evaluated, the Project's localized and regional operation-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

3.8.2 Consistency Criterion No. 2

Potential to exceed the assumptions in the AQMP based on the years of Project build-out phase.

The *2022 AQMP* demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in City of El Monte General Plan is considered to be consistent with the AQMP.

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result.

Operational Impacts – Consistency Criterion 2

The City of El Monte General Plan designates the Project site as "Institutional" land uses. The MDR designation applies to lands owned and maintained by governmental agencies (federal, state and local) and quasi-government agencies. This includes general facilities (city facilities, schools, courthouses, community centers, etc.), utility facilities and rivers/washes. This designation is

implemented by the Public Facilities (PF) and River/ Wash (RW) zoning districts. It allows FARs of up to 1.0 for general facilities and only limited construction for other facilities and rivers/ washes (23).

The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail.

The Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site. As previously stated, the Project's proposed uses would not require a General Plan and Zone Change Amendment. The Project on an individual basis does not have an impact and as such, the proposed Project would not conflict with the goals and objectives of the AQMP. Furthermore, the Project, as evaluated herein would not exceed the regional or localized air quality significance thresholds.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

AQMP Consistency Conclusion

The Project would not have the potential to result in or cause NAAQS or CAAQS violations. The Project's development intensity is consistent with the development intensities allowed within the General Plan as previously stated. As such, the Project is therefore considered to be consistent with the AQMP.

3.9 Potential Impacts to Sensitive Receptors

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Additionally, the Project would not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO "hotspot." Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

3.10 Odors

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries

- Landfills
- Dairies
- Fiberglass molding facilities

The Project would have potential land uses associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities. As shown in Table 3-6, construction would not result in significant emissions of SO_X. Furthermore, construction would be temporary, and equipment would not be located in a single location throughout the duration of construction. Odorous hydrocarbons tend to dissipate quickly and would only affect receptors in the immediate vicinity, rather than a substantial number of people at any given time. Therefore, construction activities would not result in other emissions, such as odors, adversely affecting a substantial number of people, and impacts would be less than significant.

Operation of the project would not result in odor impacts because none of the project components include odor-generating components. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Thus, no odor emissions would occur and impacts would be less than significant. Therefore, odors associated with the proposed project construction and operations would be less than significant and no mitigation is required (24).

3.11 CUMULATIVE IMPACTS

As previously shown in Table 2-4, the CAAQS designate the Project site as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$. he SCAQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (25). In this report the SCAQMD clearly states (Page D-3):

> *"…the SCAQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for TAC emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*
>
> *Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."*

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those

pollutants for which SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Conversely, project-level construction and operational emissions that exceed SCAQMD thresholds would be considered cumulatively considerable. SCAQMD's thresholds of significance for project-specific direct and cumulatively-considerable impacts have clearly been successful, as application of these thresholds has led to significant air quality improvements throughout the SCAB.

Construction-Source Emission Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project construction-source emissions would be considered less than significant on a Project-specific and cumulative basis.

Operational-Source Emission Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project operation-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, the proposed Project operation-source emissions would be considered less than significant on a project-specific and cumulative basis.

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5 CERTIFICATION

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Merced Avenue Stormwater Capture Project. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – CARB • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

Appendix C - Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

Table of Ambient Air Quality Standards

Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM10)[9]	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 (PM2.5)[9]	24 Hour	—	—	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	9.0 µg/m^3	15.0 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		53 ppb (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m^3 (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m^3		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	**No National Standards**		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and 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 arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site 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 $\mu g/m^3$ 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. EPA for further clarification and current national 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 measurement method which can be shown to the satisfaction of the CARB 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 U.S. 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 U.S. EPA.

8. On October 1, 2015, the national 8hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

9. On February 7, 2024, the national annual PM2.5 primary standard was lowered from 12.0 µg/m3 to 9.0 µg/m3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3, as was the annual secondary standard of 15.0 µg/m3. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

12. The CARB 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.

13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$)as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Area Designations for the State Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment transitional, or unclassified for each pollutant, as shown below:

Designation	Abbreviation
Attainment	A
Nonattainment	N
Nonattainment Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

Table 1 California Ambient Air Quality Standards Area Designations for Ozone[1]

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	N
Mono County	N
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	NA-T
MOJAVE DESERT AIR BASIN	N
MOUNTAIN COUNTIES AIR BASIN	
Amador County	NA-T
Calaveras County	NA-T
El Dorado County (portion)	N
Mariposa County	N
Nevada County	N
Placer County (portion)	NA-T
Plumas County	U
Sierra County	U
Tuolumne County	NA-T
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	
Butte County	NA-T
Colusa and Glenn Counties	A
Shasta County	NA-T
Sutter/Yuba Counties	
Sutter Buttes	NA-T
Remainder of Sutter County	NA-T
Yuba County	NA-T
Yolo/Solano Counties	NA-T
Remainder of Air Basin	N
SALTON SEA AIR BASIN	N
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	NA-T
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	
San Luis Obispo County	N
Santa Barbara County	NA-T
Ventura County	N
SOUTH COAST AIR BASIN	N

[1] AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

Figure 1

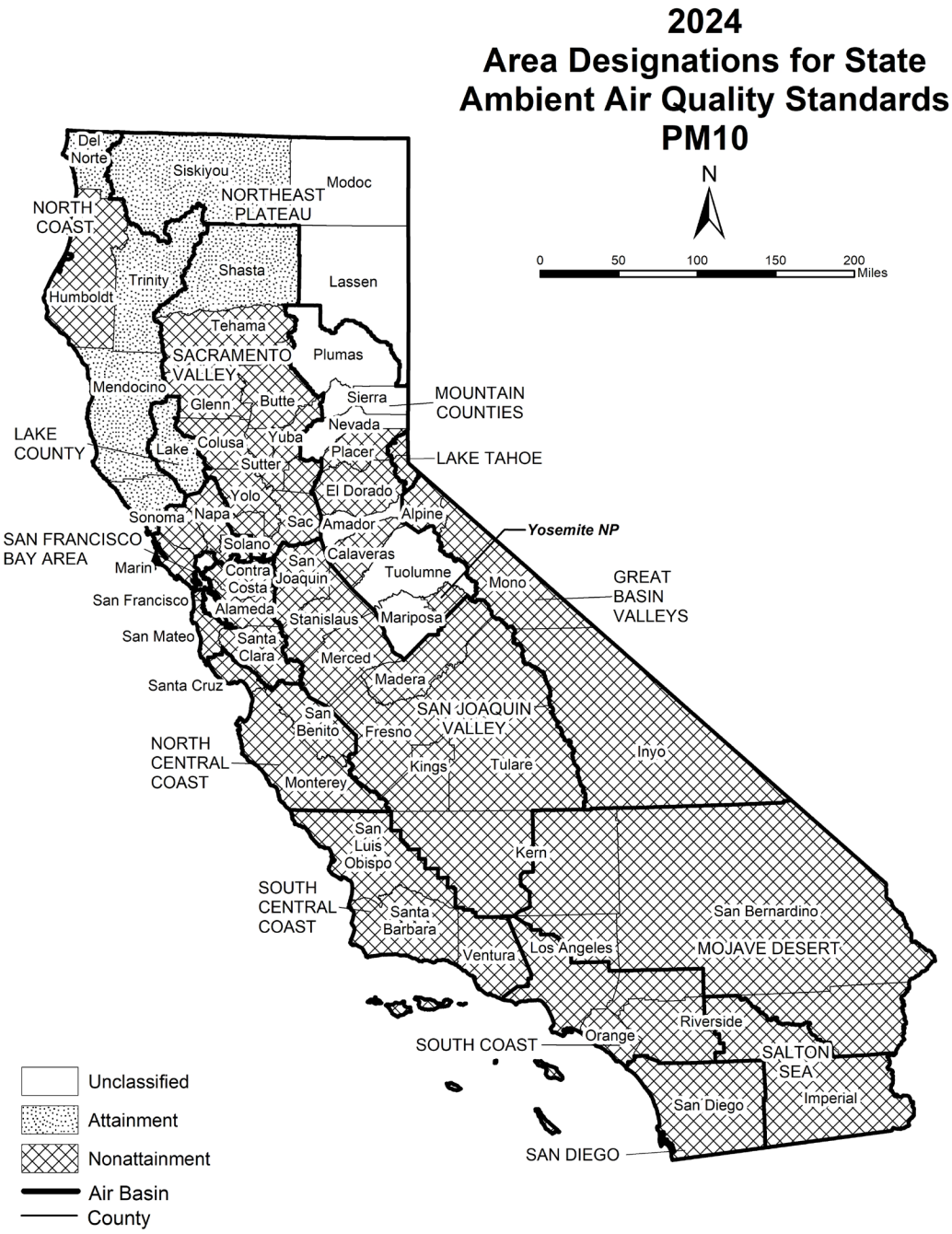


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Table 2
California Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	N
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	N
MOJAVE DESERT AIR BASIN	N
MOUNTAIN COUNTIES AIR BASIN	
Amador County	U
Calaveras County	N
El Dorado County (portion)	N
Mariposa County	
- Yosemite National Park	N
- Remainder of County	U
Nevada County	U
Placer County (portion)	N
Plumas County	U
Sierra County	U
Tuolumne County	U
NORTH CENTRAL COAST AIR BASIN	N
NORTH COAST AIR BASIN	
Del Norte, Mendocino, Sonoma (portion) and Trinity Counties	A
Remainder of Air Basin	N
NORTHEAST PLATEAU AIR BASIN	
Siskiyou County	A
Remainder of Air Basin	U
SACRAMENTO VALLEY AIR BASIN	
Shasta County	A
Remainder of Air Basin	N
SALTON SEA AIR BASIN	N
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	N
SOUTH COAST AIR BASIN	N

Figure 2



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Table 3
California Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	
Plumas County	
- Portola Valley[2]	N
- Remainder Plumas County	U
Remainder of Air Basin	U
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	
Butte County	A
Colusa County	A
Glenn County	A
Placer County (portion)	A
Sacramento County	A
Shasta County	A
Sutter and Yuba Counties	N
Remainder of Air Basin	U
SALTON SEA AIR BASIN	
Imperial County	
- City of Calexico[3]	N
Remainder of Air Basin	A
SAN DIEGO AIR BASIN	N
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	N

[2] California Code of Regulations, title 17, section 60200(c)
[3] California Code of Regulations, title 17, section 60200(a)

Figure 3



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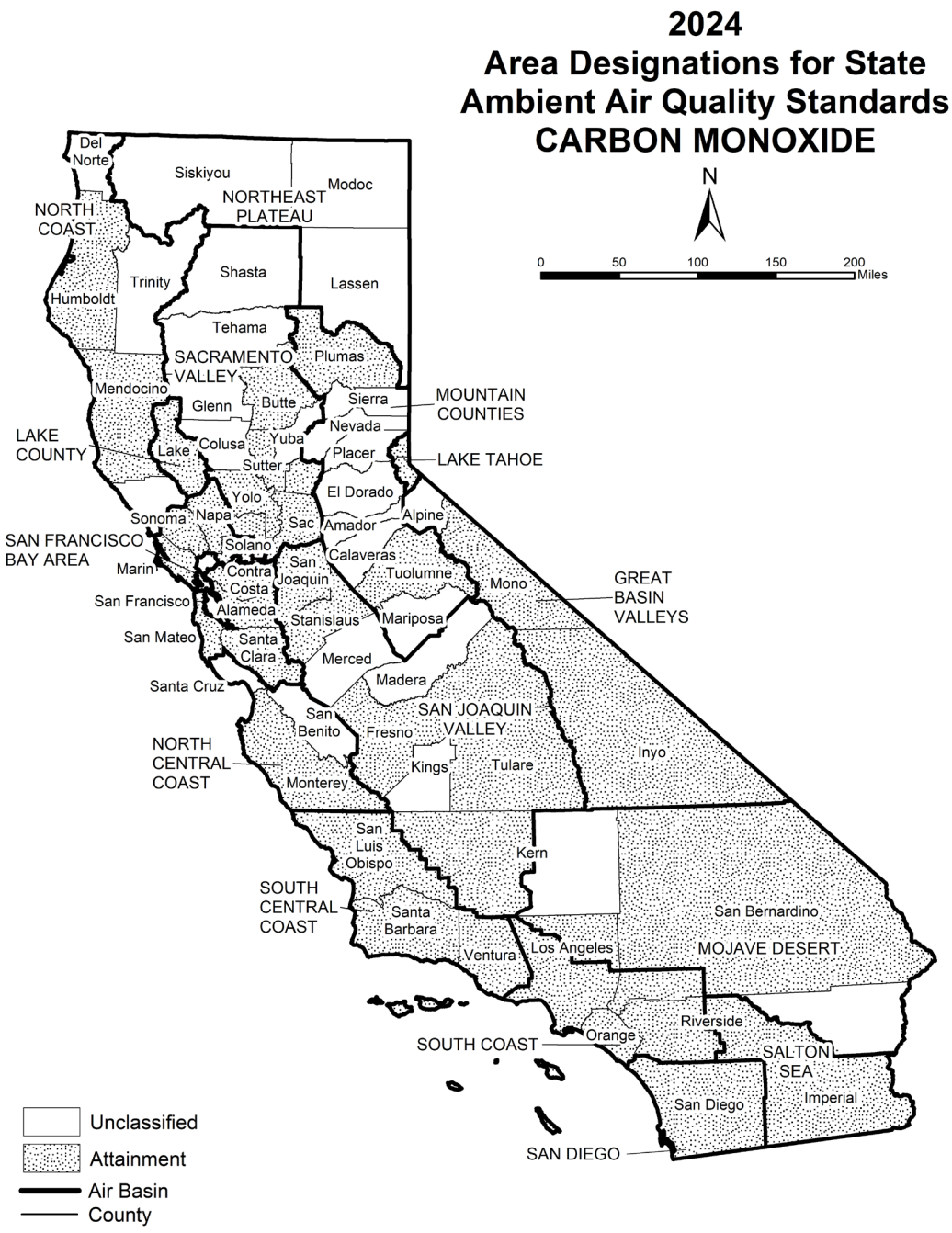
Table 4
California Ambient Air Quality Standards Area Designations for Carbon Monoxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	A
Mono County	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	
Kern County (portion)	U
Los Angeles County (portion)	A
Riverside County (portion)	U
San Bernardino County (portion)	A
MOUNTAIN COUNTIES AIR BASIN	
Amador County	U
Calaveras County	U
El Dorado County (portion)	U
Mariposa County	U
Nevada County	U
Placer County (portion)	U
Plumas County	A
Sierra County	U
Tuolumne County	A
NORTH CENTRAL COAST AIR BASIN	
Monterey County	A
San Benito County	U
Santa Cruz County	U
NORTH COAST AIR BASIN	
Del Norte County	U
Humboldt County	A
Mendocino County	A
Sonoma County (portion)	U
Trinity County	U

Area	Designations
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	
Butte County	A
Colusa County	U
Glenn County	U
Placer County (portion)	A
Sacramento County	A
Shasta County	U
Solano County (portion)	A
Sutter County	A
Tehama County	U
Yolo County	A
Yuba County	U
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	
Fresno County	A
Kern County (portion)	A
Kings County	U
Madera County	U
Merced County	U
San Joaquin County	A
Stanislaus County	A
Tulare County	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for carbon monoxide is a county or portion of a county

Figure 4



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Table 5
California Ambient Air Quality Standards Area Designations for Nitrogen Dioxide

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	
CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	A
Remainder of Air Basin	A

Figure 5



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 6
California Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for sulfur dioxide is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 6



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 7
California Ambient Air Quality Standards Area Designations for Sulfates

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

Figure 7



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 8
California Ambient Air Quality Standards Area Designations for Lead (particulate)*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	A
MOJAVE DESERT AIR BASIN	A
MOUNTAIN COUNTIES AIR BASIN	A
NORTH CENTRAL COAST AIR BASIN	A
NORTH COAST AIR BASIN	A
NORTHEAST PLATEAU AIR BASIN	A
SACRAMENTO VALLEY AIR BASIN	A
SALTON SEA AIR BASIN	A
SAN DIEGO AIR BASIN	A
SAN FRANCISCO BAY AREA AIR BASIN	A
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	A
SOUTH COAST AIR BASIN	A

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

Figure 8



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 9
California Ambient Air Quality Standards Area Designations for Hydrogen Sulfide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	A
Mono County	A
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	U
MOJAVE DESERT AIR BASIN	
Kern County (portion)	U
Los Angeles County (portion)	U
Riverside County (portion)	U
San Bernardino County (portion)	
- Searles Valley Planning Area[4]	N
- Remainder of County	U
MOUNTAIN COUNTIES AIR BASIN	
Amador County	
- City of Sutter Creek	N
- Remainder of County	U
Calaveras County	U
El Dorado County (portion)	U
Mariposa County	U
Nevada County	U
Placer County (portion)	U
Plumas County	U
Sierra County	U
Tuolumne County	U

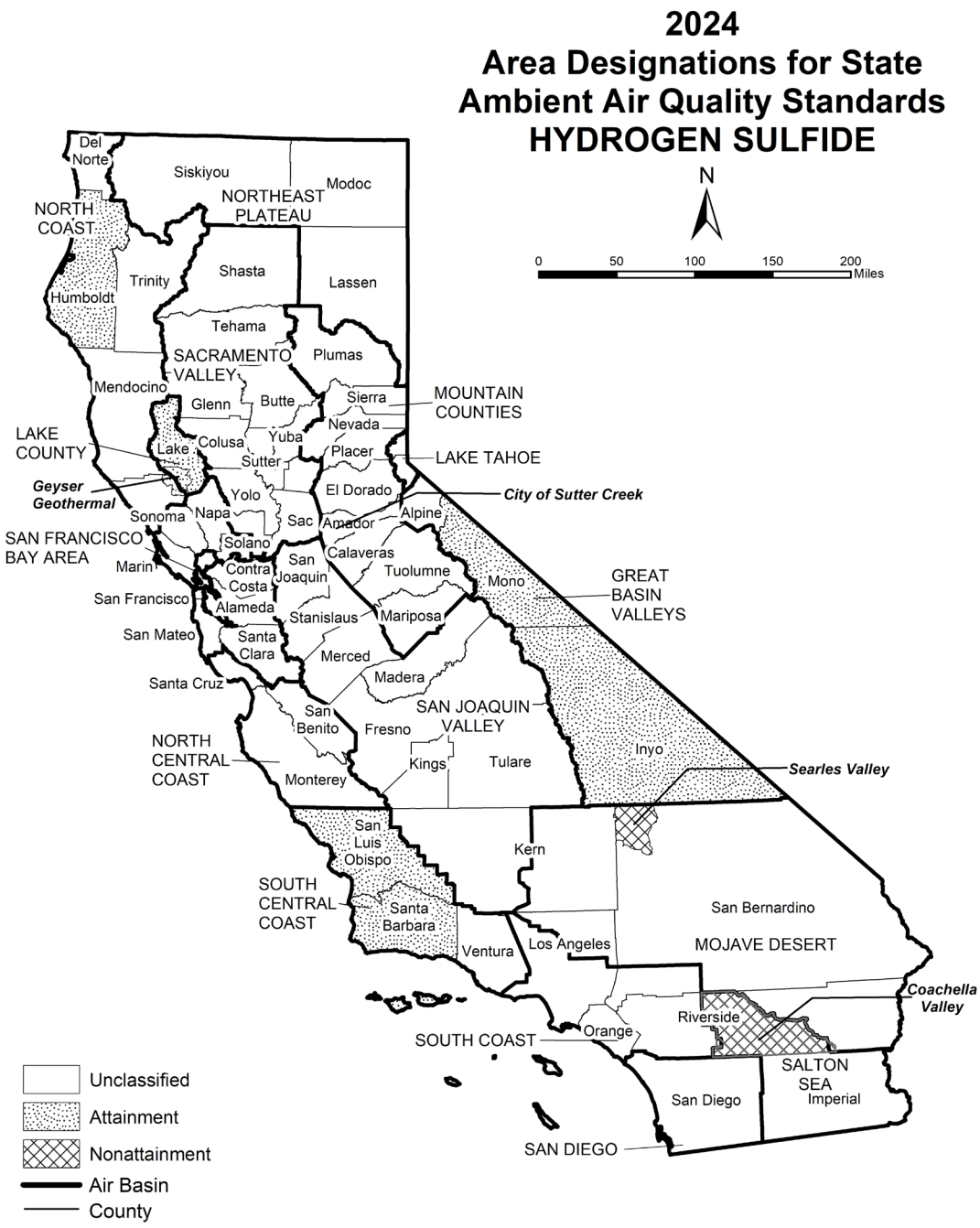
Area	Designations
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	
Del Norte County	U
Humboldt County	A
Mendocino County	U
Sonoma County (portion)	
- Geyser Geothermal Area[5]	A
- Remainder of County	U
Trinity County	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	U
SALTON SEA AIR BASIN	
Riverside County (portion)	N
Imperial County	U
SAN DIEGO AIR BASIN	U
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	U
SOUTH CENTRAL COAST AIR BASIN	
San Luis Obispo County	A
Santa Barbara County	A
Ventura County	U
SOUTH COAST AIR BASIN	U

* The area designated for hydrogen sulfide is a county or portion of a county

[4] 52 Federal Register 29384 (August 7, 1987)

[5] California Code of Regulations, title 17, section 60200(d)

Figure 9

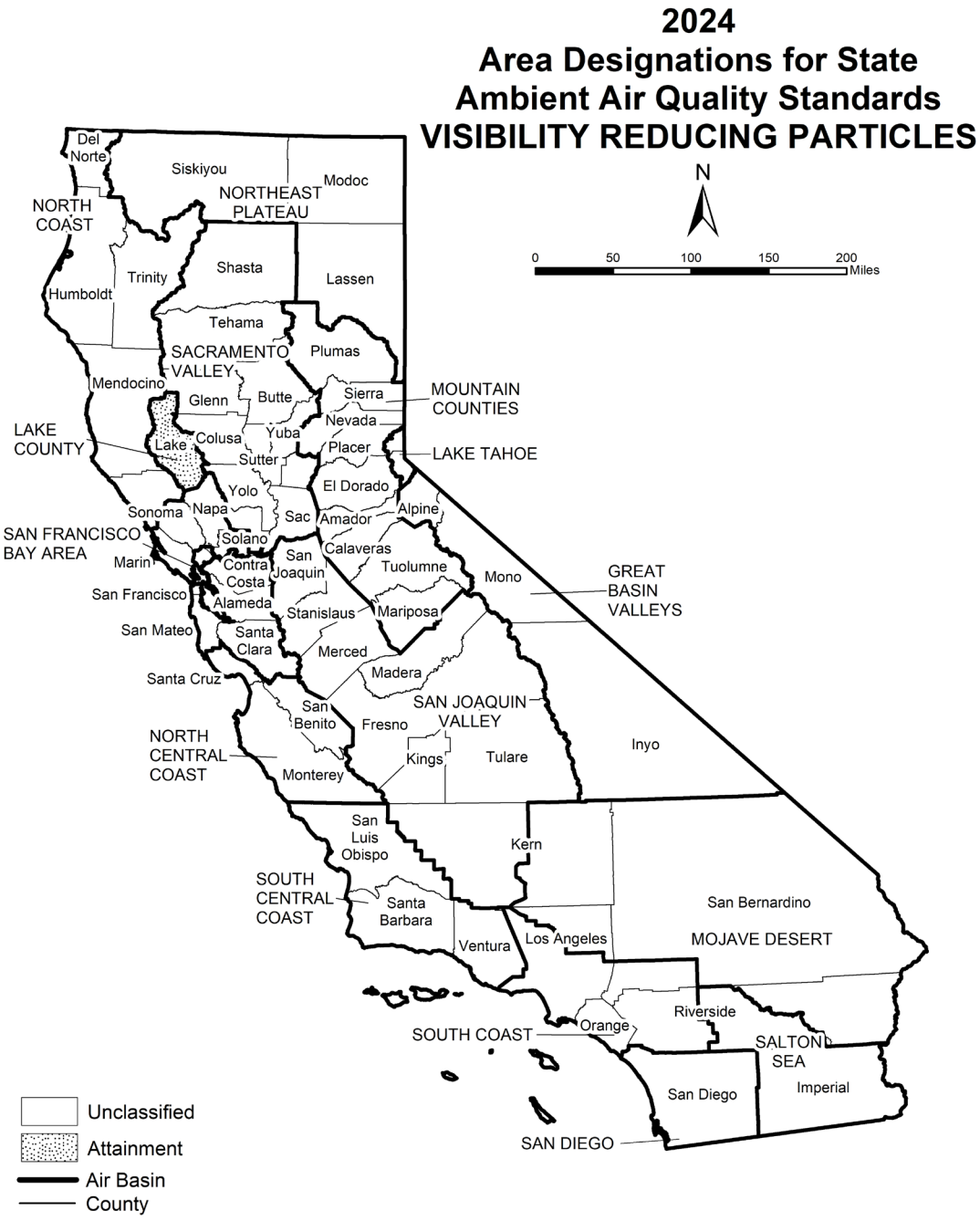


Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Table 10
California Ambient Air Quality Standards Area Designations for Visibility Reducing Particles

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U
LAKE COUNTY AIR BASIN	A
LAKE TAHOE AIR BASIN	U
MOJAVE DESERT AIR BASIN	U
MOUNTAIN COUNTIES AIR BASIN	U
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	U
SALTON SEA AIR BASIN	U
SAN DIEGO AIR BASIN	U
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	U
SOUTH CENTRAL COAST AIR BASIN	U
SOUTH COAST AIR BASIN	U

Figure 10



Last Updated: November 2024
Air Quality Planning and Science Division, CARB

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. These maps reflect all current national standards. For example, the map for Fine Suspended Particulate Matter ($PM_{2.5}$) reflects both the annual and the 24-hour standard. Additional information about the federal area designations is available on the U.S. EPA website: *Nonattainment Areas for Criteria Pollutants (Green Book)*

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website: *Criteria Air Pollutants*

On February 7, 2024, the U.S. EPA established a new national annual primary $PM_{2.5}$ standard of 9.0 µg/m^3. Area designations for this revised standard will be finalized in February 2026. Until that time, the current designation map will reflect the most previous 2012 annual average standard of 12.0 µg/m^3 as well as the 24-hour standard of 35 µg/m^3, last revised in 2006.

Designation Categories

Suspended Particulate Matter (PM_{10}). The U.S. EPA uses three categories to designate areas with respect to PM_{10}:

- Attainment (A)
- Nonattainment (N)
- Unclassifiable (U)

Ozone, Fine Suspended Particulate Matter ($PM_{2.5}$), Carbon Monoxide (CO), Nitrogen Dioxide (NO_2), and Lead. The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment (N)
- Unclassifiable/Attainment (U/A)

Sulfur Dioxide (SO_2). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment (N),
- Unclassifiable (U), and
- Unclassifiable/Attainment (U/A).

Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency,

the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at: *Title 40 SECTION 81.305*.

Table 11
National Ambient Air Quality Standards Area Designations for 8-Hour Ozone*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	
Amador County	N
Calaveras County	N
El Dorado County (portion)[6]	N
Mariposa County	N
Nevada County	
- Western Nevada County	N
- Remainder of County	U/A
Placer County (portion)[6]	N
Plumas County	U/A
Sierra County	U/A
Tuolumne County	N
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	
Butte County	N
Colusa County	U/A
Glenn County	U/A
Sacramento Metro Area[6]	N
Shasta County	U/A
Sutter County	
- Sutter Buttes	N
- Southern portion of Sutter County[6]	N
- Remainder of Sutter County	U/A
Tehama County	
- Tuscan Buttes	N
- Remainder of Tehama County	U/A

Area	Designations
SACRAMENTO VALLEY AIR BASIN (cont.)	
Yolo County[6]	N
Yuba County	U/A
SAN DIEGO COUNTY	N
SAN FRANCISCO BAY AREA AIR BASIN	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN[7]	
San Luis Obispo County	
- Eastern San Luis Obispo County	N
- Remainder of County	U/A
Santa Barbara County	U/A
Ventura County	
- Area Excluding Anacapa and San Nicolas Islands	N
- Channel Islands[7]	U/A
SOUTH COAST AIR BASIN[7]	N
SOUTHEAST DESERT AIR BASIN	
Kern County (portion)	N
- Indian Wells Valley	U/A
Imperial County	N
Los Angeles County (portion)	N
Riverside County (portion)	
- Coachella Valley	N
- Non-AQMA portion	U/A
San Bernardino County	
- Western portion (AQMA)	N
- Eastern portion (non-AQMA)	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and Table reflect the 2015 8-hour ozone standard of 0.070 ppm.

[6] For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

[7] South Central Coast Air Basin Channel Islands:
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
Ventura County includes Anacapa and San Nicolas Islands.
South Coast Air Basin:
Los Angeles County includes San Clemente and Santa Catalina Islands.

Figure 11

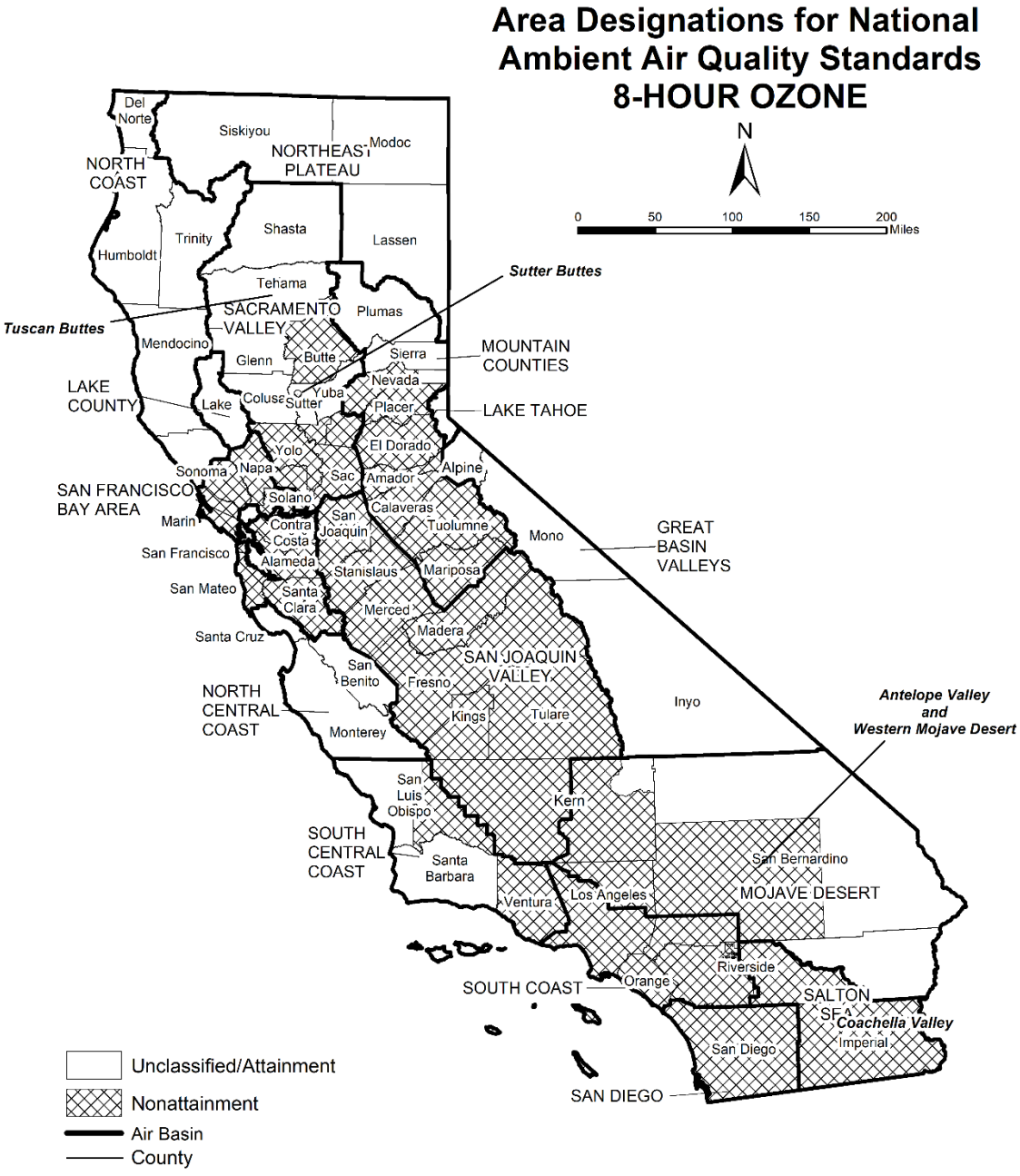

Area Designations for National Ambient Air Quality Standards
8-HOUR OZONE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
Sutter Buttes
Tuscan Buttes
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Antelope Valley and Western Mojave Desert
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
SOUTH COAST
Orange
SALTON SEA
Coachella Valley
Imperial
San Diego
SAN DIEGO
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Map reflects the 2015 8-hour ozone standard of 0.070 ppm
Air Quality Planning and Science Division, CARB

Table 12 National Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	
Alpine County	U
Inyo County	
- Owens Valley Planning Area	N
- Coso Junction	A
- Remainder of County	U
Mono County	
- Mammoth Lake Planning Area	A
- Mono Lake Basin	N
- Remainder of County	U
LAKE COUNTY AIR BASIN	U
LAKE TAHOE AIR BASIN	U
MOUNTAIN COUNTIES AIR BASIN	U
NORTH CENTRAL COAST AIR BASIN	U
NORTH COAST AIR BASIN	U
NORTHEAST PLATEAU AIR BASIN	U
SACRAMENTO VALLEY AIR BASIN	
Sacramento County	A
Remainder of Air Basin	U
SAN DIEGO COUNTY	U
SAN FRANCISCO BAY AREA AIR BASIN	U
SAN JOAQUIN VALLEY AIR BASIN	A
SOUTH CENTRAL COAST AIR BASIN	U
SOUTH COAST AIR BASIN	A
SOUTHEAST DESERT AIR BASIN	
Eastern Kern County	
- Indian Wells Valley	A
- Portion within San Joaquin Valley Planning Area	N
- Remainder of County	U
Imperial County	
- Imperial Valley Planning Area	A
- Remainder of County	U
Los Angeles County (portion)	U
Riverside County (portion)	
- Coachella Valley	N
- Non-AQMA portion	U
San Bernardino County	
- Trona	N
- Remainder of County	N

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 12

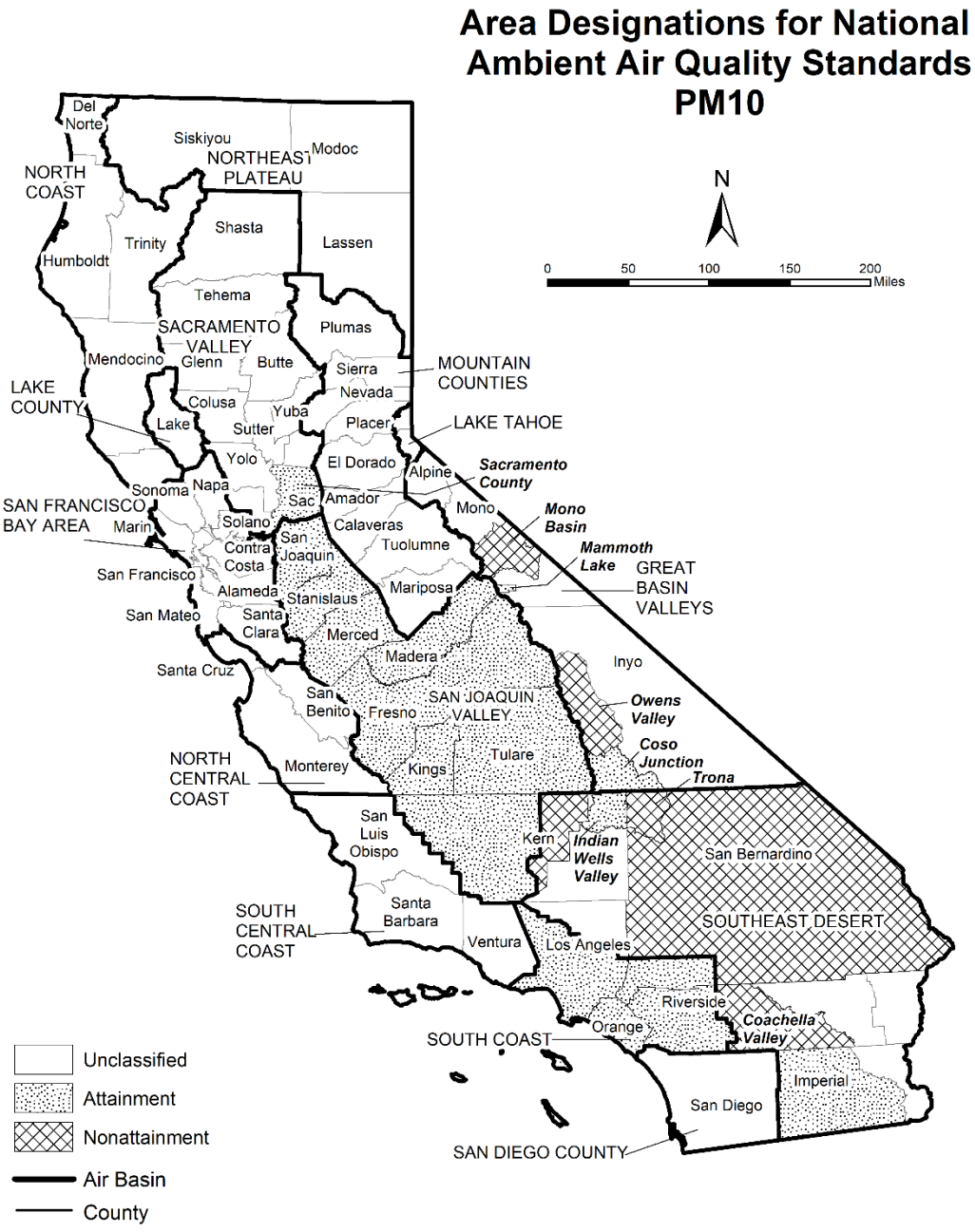

Area Designations for National Ambient Air Quality Standards PM10
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Trinity
Lassen
Humboldt
Tehema
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Alpine
Sacramento County
Sonoma
Napa
Sac
Amador
SAN FRANCISCO BAY AREA
Marin
Solano
Calaveras
Mono
Mono Basin
Contra Costa
San Joaquin
Tuolumne
Mammoth Lake
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Inyo
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Owens Valley
Coso Junction
Trona
NORTH CENTRAL COAST
Monterey
Kings
Tulare
San Luis Obispo
Kern
Indian Wells Valley
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
Ventura
Los Angeles
SOUTHEAST DESERT
Riverside
Coachella Valley
Orange
SOUTH COAST
Imperial
San Diego
SAN DIEGO COUNTY
Unclassified
Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 13
National Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	
Plumas County	
- Portola Valley Portion of Plumas County	N
- Remainder of Plumas County	U/A
Remainder of Air Basin	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	
Sacramento Metro Area[8]	N
Remainder of Air Basin	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN[9]	N
SAN JOAQUIN VALLEY AIR BASIN	N
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN[10]	N
SOUTHEAST DESERT AIR BASIN	
Imperial County (portion)[11]	N
Remainder of Air Basin	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map reflects the 2006 24-hour $PM_{2.5}$ standard as well as the 1997 and 2012 $PM_{2.5}$ annual standards.

[8] For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[9] Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[10] Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

[11] That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

Figure 13

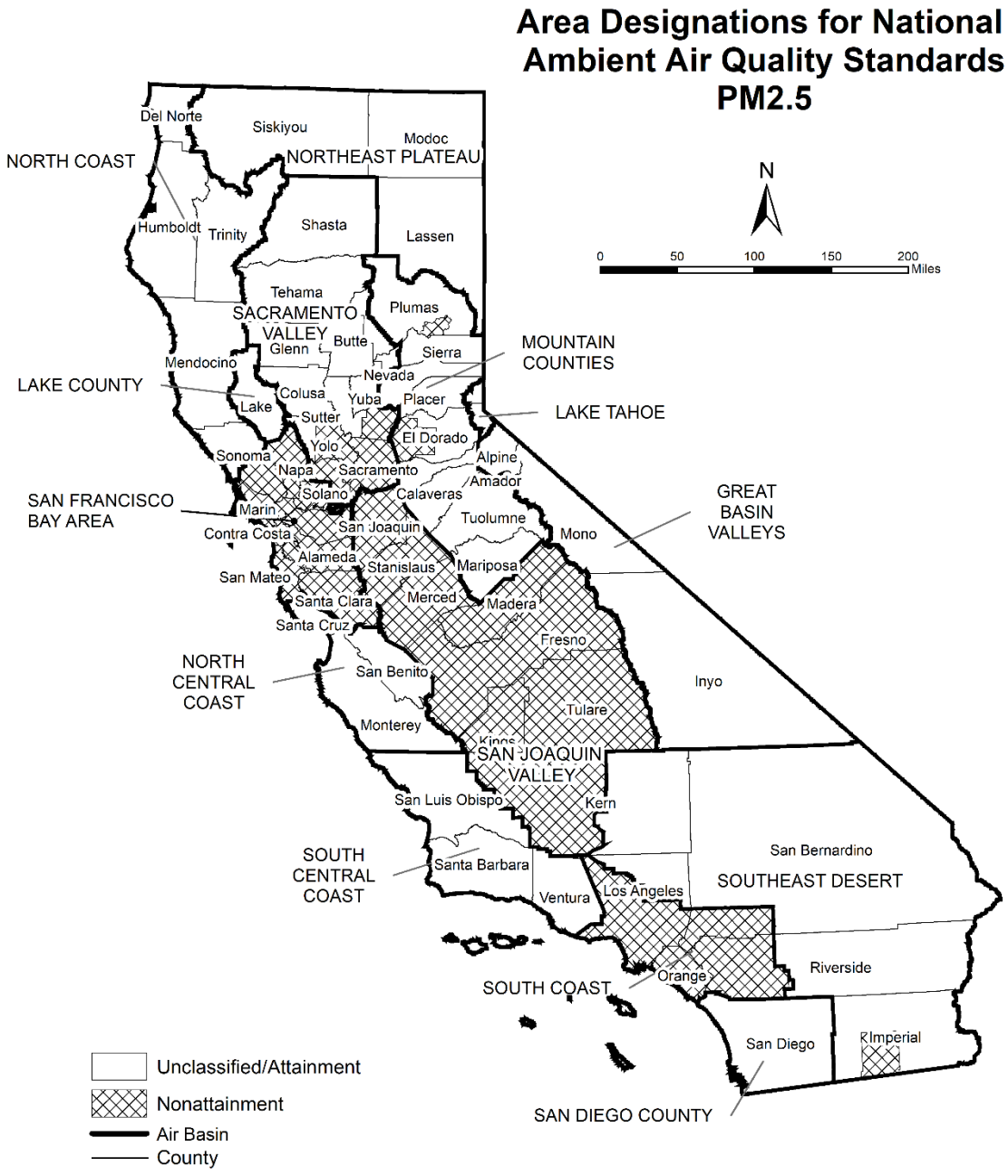

Area Designations for National Ambient Air Quality Standards PM2.5
N
0 50 100 150 200 Miles
NORTH COAST
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
Humboldt
Trinity
Shasta
Lassen
Tehama
SACRAMENTO VALLEY
Plumas
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Mendocino
Nevada
LAKE COUNTY
Colusa
Yuba
Placer
Lake
Sutter
LAKE TAHOE
El Dorado
Yolo
Sonoma
Alpine
Napa
Sacramento
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
GREAT BASIN VALLEYS
Marin
Tuolumne
Contra Costa
San Joaquin
Mono
Alameda
Stanislaus
Mariposa
San Mateo
Merced
Santa Clara
Madera
Santa Cruz
Fresno
NORTH CENTRAL COAST
San Benito
Inyo
Tulare
Monterey
Kings
SAN JOAQUIN VALLEY
San Luis Obispo
Kern
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 14
National Ambient Air Quality Standards Area Designations for Carbon Monoxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 14



Last Updated: November 2023
Air Quality Planning and Science Division

Table 15
National Ambient Air Quality Standards Area Designations for Nitrogen Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

Figure 15

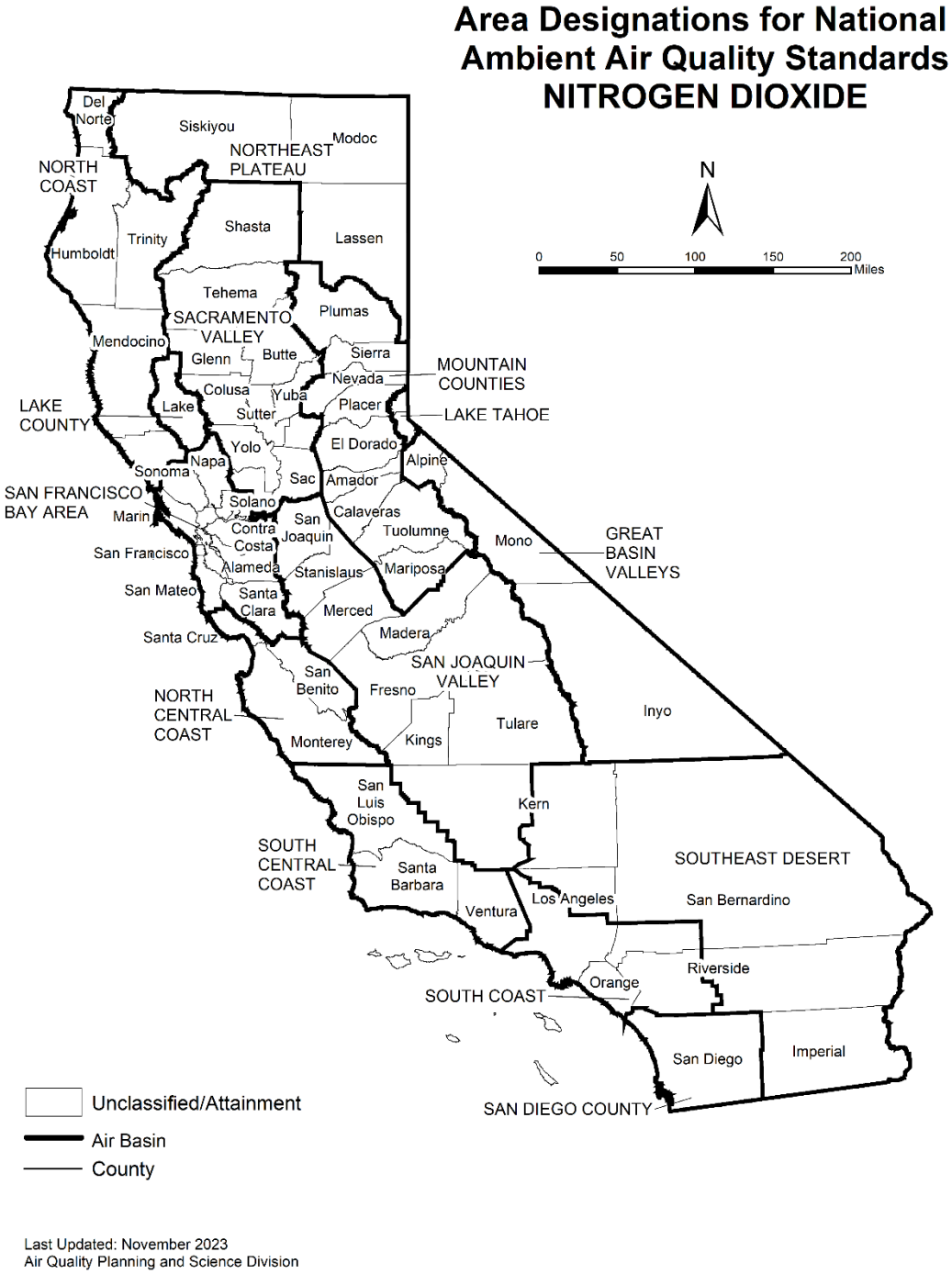

Area Designations for National Ambient Air Quality Standards
NITROGEN DIOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
Nevada
MOUNTAIN COUNTIES
Colusa
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Lake
Sutter
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Marin
Calaveras
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Tulare
Inyo
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 16
National Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN[12]	U/A
SOUTH COAST AIR BASIN	U/A
SOUTHEAST DESERT AIR BASIN	U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO_2 standard of 75 ppb.

[12] South Central Coast Air Basin Channel Islands:
Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.
Ventura County includes Anacapa and San Nicolas Islands.
Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

Figure 16

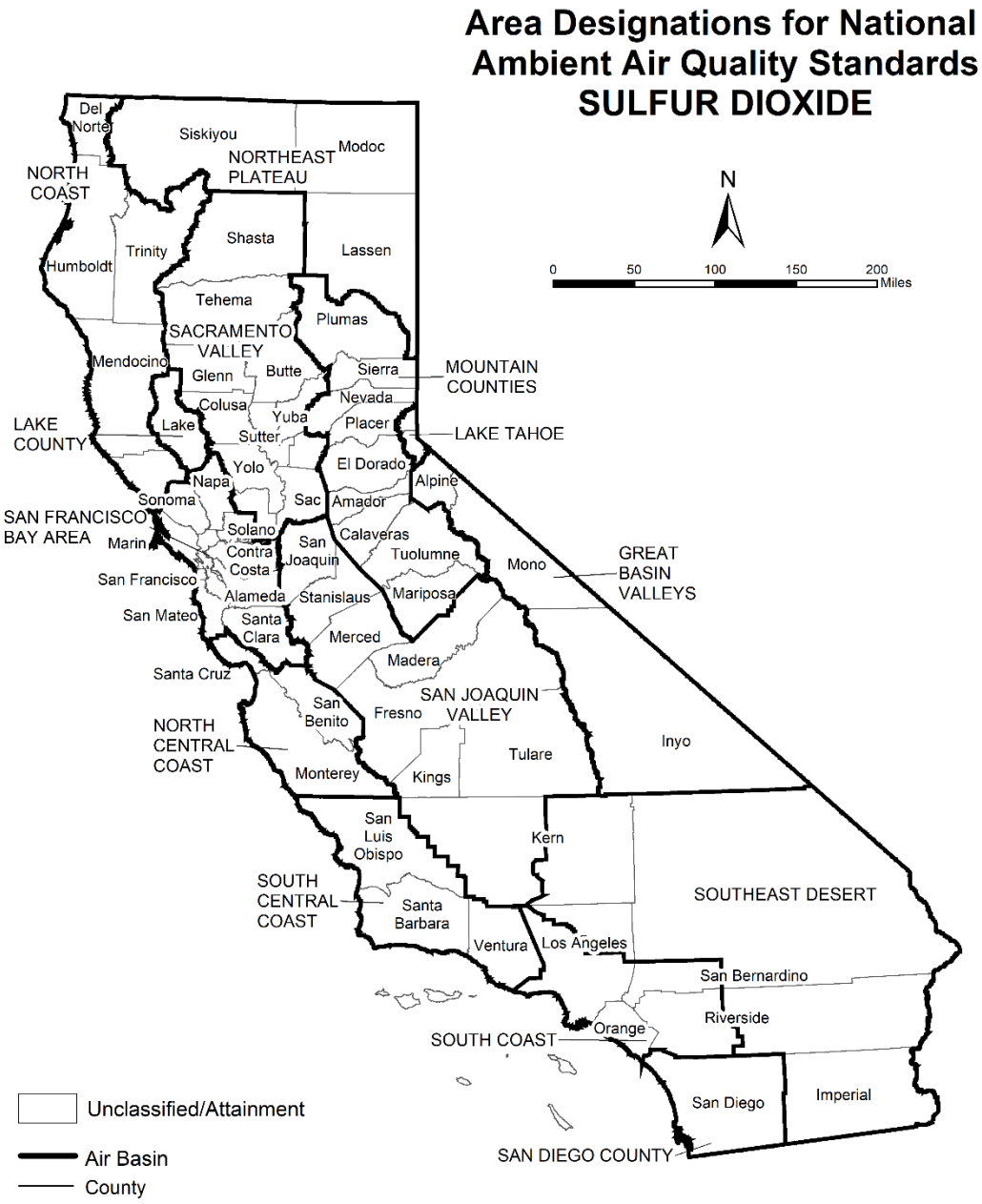
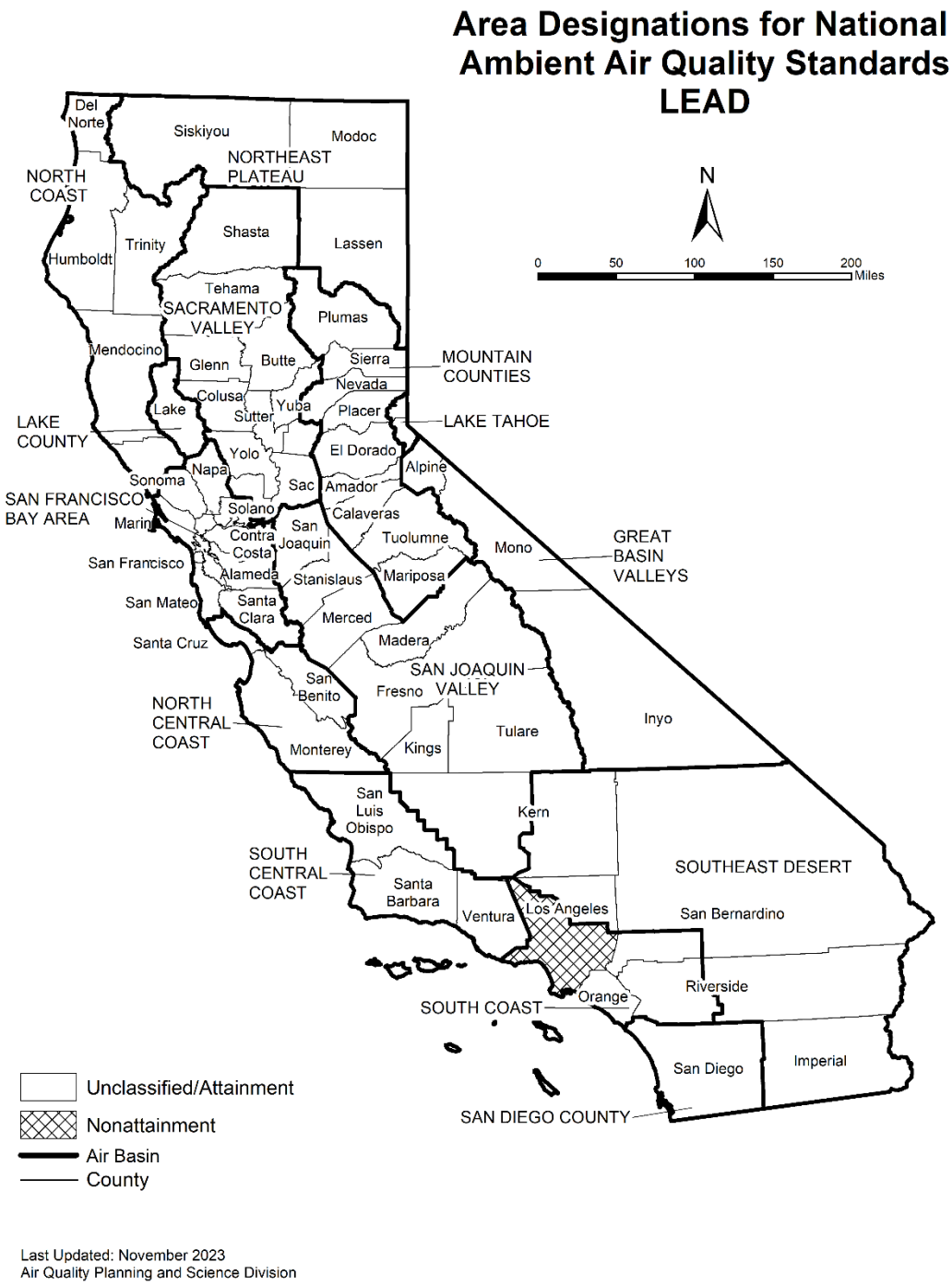

Area Designations for National Ambient Air Quality Standards
SULFUR DIOXIDE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Lassen
Trinity
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Yuba
Placer
LAKE COUNTY
Lake
Sutter
LAKE TAHOE
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
San Joaquin
Contra Costa
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Tulare
Inyo
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 17
National Ambient Air Quality Standards Area Designations for Lead (particulate)

Area	Designations
GREAT BASIN VALLEYS AIR BASIN	U/A
LAKE COUNTY AIR BASIN	U/A
LAKE TAHOE AIR BASIN	U/A
MOUNTAIN COUNTIES AIR BASIN	U/A
NORTH CENTRAL COAST AIR BASIN	U/A
NORTH COAST AIR BASIN	U/A
NORTHEAST PLATEAU AIR BASIN	U/A
SACRAMENTO VALLEY AIR BASIN	U/A
SAN DIEGO COUNTY	U/A
SAN FRANCISCO BAY AREA AIR BASIN	U/A
SAN JOAQUIN VALLEY AIR BASIN	U/A
SOUTH CENTRAL COAST AIR BASIN	U/A
SOUTH COAST AIR BASIN	
Los Angeles County (portion)[13]	N
Remainder of Air Basin	U/A
SOUTHEAST DESERT AIR BASIN	U/A

[13] Portion of County in Air Basin, not including Channel Islands

Figure 17


Area Designations for National Ambient Air Quality Standards LEAD
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Lassen
Trinity
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Lake
Sutter
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
San Joaquin
Contra Costa
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Inyo
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

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APPENDIX 3.1:

CALEEMOD EMISSIONS MODEL OUTPUTS

15953-Merced Avenue Stormwater Capture Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	15953-Merced Avenue Stormwater Capture
Construction Start Date	5/1/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18
Location	34.067146, -118.05455
County	Los Angeles-South Coast
City	El Monte
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4186
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Road Construction	0.39	Mile	2.6	0.00	—	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	4,010	4,010	0.17	0.16	3.2	4,063
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	3,983	3,983	0.15	0.15	0.08	4,033
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.96	0.79	6.4	9.7	0.01	0.23	0.41	0.64	0.22	0.09	0.30	—	1,785	1,785	0.07	0.06	0.51	1,805
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	0.15	1.2	1.8	< 0.005	0.04	0.07	0.12	0.04	0.02	0.05	—	296	296	0.01	0.01	0.08	299

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	4,010	4,010	0.17	0.16	3.2	4,063

2028	2.1	1.8	14	21	0.03	0.51	0.99	1.5	0.47	0.21	0.68	—	3,985	3,985	0.15	0.15	2.9	4,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	3,983	3,983	0.15	0.15	0.08	4,033
2028	2.1	1.8	14	21	0.03	0.51	0.99	1.5	0.47	0.21	0.68	—	3,958	3,958	0.15	0.15	0.07	4,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.71	0.58	4.7	6.6	0.01	0.18	0.32	0.50	0.16	0.07	0.23	—	1,310	1,310	0.05	0.06	0.48	1,328
2028	0.96	0.79	6.4	9.7	0.01	0.23	0.41	0.64	0.22	0.09	0.30	—	1,785	1,785	0.07	0.06	0.51	1,805
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.13	0.11	0.86	1.2	< 0.005	0.03	0.06	0.09	0.03	0.01	0.04	—	217	217	0.01	0.01	0.08	220
2028	0.17	0.15	1.2	1.8	< 0.005	0.04	0.07	0.12	0.04	0.02	0.05	—	296	296	0.01	0.01	0.08	299

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.3	2.6	< 0.005	0.07	—	0.07	0.07	—	0.07	—	382	382	0.02	< 0.005	—	383
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46	46	< 0.005	< 0.005	—	46
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.6	7.6	< 0.005	< 0.005	—	7.7
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.60	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	133	133	0.01	< 0.005	0.41	135
Vendor	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	0.00
Hauling	0.02	< 0.005	0.32	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	267	267	0.01	0.04	0.57	281

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.02	16
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	0.01	0.03	34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.6	2.6	< 0.005	< 0.005	< 0.005	2.6
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.3	5.3	< 0.005	< 0.005	< 0.005	5.6

3.3. Linear, Grading & Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.6	9.2	0.01	0.27	—	0.27	0.25	—	0.25	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.98	0.82	6.6	9.2	0.01	0.27	—	0.27	0.25	—	0.25	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.29	2.4	3.3	< 0.005	0.10	—	0.10	0.09	—	0.09	—	498	498	0.02	< 0.005	—	500
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.44	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82	82	< 0.005	< 0.005	—	83
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.1	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	233	233	0.01	0.01	0.72	236
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.08	32

Hauling	0.04	0.01	0.63	0.25	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	533	533	0.03	0.09	1.1	561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.02	223
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	< 0.005	32
Hauling	0.04	0.01	0.66	0.25	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	534	534	0.03	0.09	0.03	560
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.34	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81	81	< 0.005	< 0.005	0.11	82
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	11
Hauling	0.01	< 0.005	0.24	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	192	192	0.01	0.03	0.18	202
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13	13	< 0.005	< 0.005	0.02	14
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.8	1.8	< 0.005	< 0.005	< 0.005	1.9
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	0.01	0.03	33

3.5. Linear, Grading & Excavation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.4	9.2	0.01	0.25	—	0.25	0.23	—	0.23	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.4	9.2	0.01	0.25	—	0.25	0.23	—	0.23	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.3	3.3	< 0.005	0.09	—	0.09	0.08	—	0.08	—	495	495	0.02	< 0.005	—	497
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.60	< 0.005	0.02	—	0.02	0.01	—	0.01	—	82	82	< 0.005	< 0.005	—	82
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.99	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	228	228	< 0.005	0.01	0.65	232
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30	30	< 0.005	< 0.005	0.08	31
Hauling	0.04	0.01	0.61	0.24	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	521	521	0.03	0.08	1.1	548
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30	30	< 0.005	< 0.005	< 0.005	31
Hauling	0.03	0.01	0.64	0.25	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	522	522	0.03	0.08	0.03	547
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79	79	< 0.005	< 0.005	0.10	80
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	11
Hauling	0.01	< 0.005	0.23	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	187	187	0.01	0.03	0.16	196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13	13	< 0.005	< 0.005	0.02	13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.8	1.8	< 0.005	< 0.005	< 0.005	1.8
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	32

3.7. Linear, Drainage, Utilities, & Sub-Grade (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.0	0.87	7.0	9.2	0.01	0.28	—	0.28	0.26	—	0.26	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.87	7.0	9.2	0.01	0.28	—	0.28	0.26	—	0.26	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.7	2.2	< 0.005	0.07	—	0.07	0.06	—	0.06	—	334	334	0.01	< 0.005	—	335
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.31	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	55	55	< 0.005	< 0.005	—	55

Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.4	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	299	299	0.01	0.01	0.93	303
Vendor	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	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	133	133	0.01	0.02	0.28	140
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.1	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	283	283	< 0.005	0.01	0.02	287
Vendor	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	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	133	133	0.01	0.02	0.01	140
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69	69	< 0.005	< 0.005	0.10	70
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	0.01	0.03	33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.02	12
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.3	5.3	< 0.005	< 0.005	< 0.005	5.5

3.9. Linear, Drainage, Utilities, & Sub-Grade (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.84	6.7	9.2	0.01	0.26	—	0.26	0.23	—	0.23	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.84	6.7	9.2	0.01	0.26	—	0.26	0.23	—	0.23	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	2.4	3.3	0.01	0.09	—	0.09	0.08	—	0.08	—	501	501	0.02	< 0.005	—	503
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.05	0.44	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	83	83	< 0.005	< 0.005	—	83
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.3	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	294	294	< 0.005	0.01	0.84	298
Vendor	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	0.00
Hauling	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	130	130	0.01	0.02	0.26	137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.1	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	278	278	< 0.005	0.01	0.02	282
Vendor	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	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	130	130	0.01	0.02	0.01	137
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	101	101	< 0.005	< 0.005	0.13	102
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47	47	< 0.005	0.01	0.04	49
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17	17	< 0.005	< 0.005	0.02	17

Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.7	7.7	< 0.005	< 0.005	0.01	8.1

3.11. Linear, Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.53	5.0	7.5	0.01	0.18	—	0.18	0.17	—	0.17	—	1,144	1,144	0.05	0.01	—	1,148
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.53	5.0	7.5	0.01	0.18	—	0.18	0.17	—	0.17	—	1,144	1,144	0.05	0.01	—	1,148
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.15	1.4	2.0	< 0.005	0.05	—	0.05	0.05	—	0.05	—	314	314	0.01	< 0.005	—	315
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03	0.03	0.25	0.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52	52	< 0.005	< 0.005	—	52
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.85	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	196	196	< 0.005	0.01	0.56	198
Vendor	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	0.00
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.72	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.01	188
Vendor	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	0.00
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	52	52	< 0.005	< 0.005	0.07	52
Vendor	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	0.00
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.5	8.5	< 0.005	< 0.005	0.01	8.7
Vendor	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	0.00
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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	5/1/2027	7/1/2027	5.0	44	—
Linear, Grading & Excavation	Linear, Grading & Excavation	7/1/2027	7/1/2028	5.0	262	—
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	9/1/2027	7/1/2028	5.0	218	—
Linear, Paving	Linear, Paving	8/1/2028	12/18/2028	5.0	100	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	2.0	8.0	36	0.38
Linear, Grubbing & Land Clearing	Signal Boards	Diesel	Average	2.0	8.0	6.0	0.82
Linear, Grading & Excavation	Excavators	Diesel	Average	2.0	8.0	36	0.38
Linear, Grading & Excavation	Rollers	Diesel	Average	1.00	8.0	36	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	1.00	8.0	148	0.41

Linear, Grading & Excavation	Signal Boards	Diesel	Average	2.0	8.0	6.0	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	2.0	8.0	6.0	0.82
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1.00	8.0	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.0	8.0	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	1.00	8.0	11	0.74
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	1.00	8.0	37	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Linear, Drainage, Utilities, & Sub-Grade	Excavators	Diesel	Average	1.00	8.0	36	0.38
Linear, Paving	Rollers	Diesel	Average	1.00	8.0	36	0.38
Linear, Paving	Paving Equipment	Diesel	Average	1.00	8.0	89	0.36
Linear, Paving	Pavers	Diesel	Average	1.00	8.0	81	0.42
Linear, Paving	Signal Boards	Diesel	Average	2.0	8.0	6.0	0.82
Linear, Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Grubbing & Land Clearing	Worker	10.0	19	LDA,LDT1,LDT2

Linear, Grubbing & Land Clearing	Vendor	0.00	10	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	4.0	20	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	—	—	HHDT
Linear, Grading & Excavation	Worker	18	19	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	1.00	10	HHDT,MHDT
Linear, Grading & Excavation	Hauling	8.0	20	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Worker	23	19	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	10	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	2.0	20	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	Worker	15	19	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	10	HHDT,MHDT
Linear, Paving	Hauling	0.00	20	HHDT
Linear, Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

Linear, Grubbing & Land Clearing	—	—	2.6	0.00	0.00
Linear, Grading & Excavation	3,505	4,000	2.6	0.00	0.00
Linear, Drainage, Utilities, & Sub-Grade	—	—	2.6	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	59	532	0.03	< 0.005
2028	59	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19	annual days of extreme heat
Extreme Precipitation	6.3	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	74
AQ-PM	75
AQ-DPM	82
Drinking Water	96
Lead Risk Housing	87
Pesticides	40
Toxic Releases	80
Traffic	95
Effect Indicators	—
CleanUp Sites	85
Groundwater	93
Haz Waste Facilities/Generators	63
Impaired Water Bodies	33
Solid Waste	59
Sensitive Population	—
Asthma	70
Cardio-vascular	68
Low Birth Weights	91
Socioeconomic Factor Indicators	—
Education	92
Housing	86
Linguistic	98

Poverty	74
Unemployment	76

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	15.57808289
Employed	38.39343
Median HI	13.39663801
Education	—
Bachelor's or higher	24.94546388
High school enrollment	100
Preschool enrollment	14.26921596
Transportation	—
Auto Access	31.27165405
Active commuting	83.71615552
Social	—
2-parent households	37.23854741
Voting	19.26087514
Neighborhood	—
Alcohol availability	4.516874118
Park access	55.98614141
Retail density	84.93519825
Supermarket access	94.25125112
Tree canopy	40.43372257
Housing	—
Homeownership	13.48646221

Housing habitability	8.674451431
Low-inc homeowner severe housing cost burden	2.527909663
Low-inc renter severe housing cost burden	51.08430643
Uncrowded housing	15.27011421
Health Outcomes	—
Insured adults	1.154882587
Arthritis	71.8
Asthma ER Admissions	41.1
High Blood Pressure	50.4
Cancer (excluding skin)	91.6
Asthma	51.9
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	40.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	61.3
Cognitively Disabled	36.6
Physically Disabled	29.8
Heart Attack ER Admissions	43.7
Mental Health Not Good	23.2
Chronic Kidney Disease	35.4
Obesity	52.4
Pedestrian Injuries	19.6
Physical Health Not Good	18.1
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	94.8
Current Smoker	19.7
No Leisure Time for Physical Activity	8.8

Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	28.6
Elderly	73.9
English Speaking	1.5
Foreign-born	98.7
Outdoor Workers	17.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.4
Traffic Density	75.4
Traffic Access	87.4
Other Indices	—
Hardship	84.4
Other Decision Support	—
2016 Voting	6.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	16
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction schedule based on provided information
Construction: Off-Road Equipment	Construction Equipment based on provided information
Construction: Trips and VMT	Dump Trucks modeled under hauling phase

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APPENDIX 3.2:

AERMOD LOCALIZED EMISSIONS MODEL OUTPUTS

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** Lakes Environmental AERMOD MPI
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** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 12/15/2025
** File: C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater
Capture\Construction LSTs\Construction LSTs.ADI
**
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**
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap
   MODELOPT DFAULT CONC
   AVERTIME 1 8 24
   URBANOPT 9663345 County_of_Los_Angeles
   POLLUTID DPM
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "Construction LSTs.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     402480.658  3770261.587       77.140
   LOCATION VOL2         VOLUME     402485.634  3770262.855       77.070
   LOCATION VOL3         VOLUME     402490.616  3770263.324       77.040
   LOCATION VOL4         VOLUME     402483.075  3770257.846       77.190
   LOCATION VOL5         VOLUME     402488.015  3770258.320       77.140
   LOCATION VOL6         VOLUME     402492.924  3770258.320       77.100
   LOCATION VOL7         VOLUME     402486.143  3770253.261       77.260
   LOCATION VOL8         VOLUME     402491.192  3770253.302       77.190
   LOCATION VOL9         VOLUME     402496.137  3770253.338       77.130
   LOCATION VOL10        VOLUME     402488.454  3770248.304       77.360
   LOCATION VOL11        VOLUME     402493.502  3770248.344       77.270
   LOCATION VOL12        VOLUME     402498.448  3770248.380       77.180
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LOCATION VOL13	VOLUME	402491.378	3770243.394	77.440
LOCATION VOL14	VOLUME	402496.426	3770243.434	77.320
LOCATION VOL15	VOLUME	402501.372	3770243.470	77.210
LOCATION VOL16	VOLUME	402496.896	3770233.561	77.510
LOCATION VOL17	VOLUME	402501.944	3770233.601	77.350
LOCATION VOL18	VOLUME	402506.890	3770233.637	77.190
LOCATION VOL19	VOLUME	402499.820	3770228.651	77.500
LOCATION VOL20	VOLUME	402504.868	3770228.692	77.310
LOCATION VOL21	VOLUME	402509.814	3770228.728	77.180
LOCATION VOL22	VOLUME	402494.585	3770238.519	77.470
LOCATION VOL23	VOLUME	402499.633	3770238.559	77.330
LOCATION VOL24	VOLUME	402504.579	3770238.595	77.200
LOCATION VOL25	VOLUME	402505.341	3770218.620	77.440
LOCATION VOL26	VOLUME	402510.389	3770218.661	77.300
LOCATION VOL27	VOLUME	402515.334	3770218.697	77.250
LOCATION VOL28	VOLUME	402508.265	3770213.711	77.450
LOCATION VOL29	VOLUME	402513.313	3770213.751	77.380
LOCATION VOL30	VOLUME	402518.259	3770213.787	77.300
LOCATION VOL31	VOLUME	402503.030	3770223.578	77.450
LOCATION VOL32	VOLUME	402508.078	3770223.619	77.240
LOCATION VOL33	VOLUME	402513.024	3770223.655	77.200
LOCATION VOL34	VOLUME	402514.085	3770203.930	77.570
LOCATION VOL35	VOLUME	402519.133	3770203.970	77.460
LOCATION VOL36	VOLUME	402524.079	3770204.006	77.350
LOCATION VOL37	VOLUME	402517.009	3770199.020	77.600
LOCATION VOL38	VOLUME	402522.057	3770199.060	77.470
LOCATION VOL39	VOLUME	402527.003	3770199.096	77.340
LOCATION VOL40	VOLUME	402511.775	3770208.887	77.510
LOCATION VOL41	VOLUME	402516.823	3770208.928	77.420
LOCATION VOL42	VOLUME	402521.768	3770208.964	77.330
LOCATION VOL43	VOLUME	402522.929	3770189.189	77.590
LOCATION VOL44	VOLUME	402527.977	3770189.229	77.420
LOCATION VOL45	VOLUME	402532.923	3770189.265	77.250
LOCATION VOL46	VOLUME	402538.946	3770179.482	77.410
LOCATION VOL47	VOLUME	402531.201	3770184.320	77.430
LOCATION VOL48	VOLUME	402536.247	3770184.356	77.330
LOCATION VOL49	VOLUME	402520.619	3770194.147	77.580
LOCATION VOL50	VOLUME	402525.667	3770194.187	77.430
LOCATION VOL51	VOLUME	402530.613	3770194.223	77.280
LOCATION VOL52	VOLUME	402533.944	3770179.338	77.480
LOCATION VOL53	VOLUME	402541.815	3770174.406	77.490
LOCATION VOL54	VOLUME	402536.732	3770174.424	77.560
LOCATION VOL55	VOLUME	402544.141	3770173.001	77.480
LOCATION VOL56	VOLUME	402527.996	3770184.101	77.530
LOCATION VOL57	VOLUME	402548.688	3770171.552	77.440
LOCATION VOL58	VOLUME	402539.089	3770169.309	77.640
LOCATION VOL59	VOLUME	402551.836	3770169.853	77.420
LOCATION VOL60	VOLUME	402536.840	3770171.358	77.630
LOCATION VOL61	VOLUME	402530.634	3770180.084	77.550
LOCATION VOL62	VOLUME	402532.532	3770176.387	77.580

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LOCATION VOL64 VOLUME 402544.076 3770168.041 77.580
LOCATION VOL65 VOLUME 402544.875 3770163.894 77.650
LOCATION VOL66 VOLUME 402549.073 3770166.542 77.530
LOCATION VOL67 VOLUME 402549.922 3770162.395 77.580
LOCATION VOL68 VOLUME 402555.519 3770168.091 77.390
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LOCATION VOL132 VOLUME 402646.255 3770125.009 77.490
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LOCATION VOL312 VOLUME 402809.206 3769992.365 78.110

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LOCATION VOL313       VOLUME     402814.304  3769996.953       77.910
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LOCATION VOL316       VOLUME     402819.360  3769997.038       77.920
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LOCATION VOL318       VOLUME     402819.275  3769992.025       78.140
LOCATION VOL319       VOLUME     402824.331  3769996.995       77.940
LOCATION VOL320       VOLUME     402824.246  3769987.139       78.360
LOCATION VOL321       VOLUME     402824.246  3769991.982       78.150
LOCATION VOL322       VOLUME     402829.386  3769996.953       77.950
LOCATION VOL323       VOLUME     402829.301  3769987.097       78.380
LOCATION VOL324       VOLUME     402829.301  3769991.940       78.170
LOCATION VOL325       VOLUME     402834.357  3769997.080       77.960
LOCATION VOL326       VOLUME     402834.272  3769987.224       78.400
LOCATION VOL327       VOLUME     402834.272  3769992.067       78.180
LOCATION VOL328       VOLUME     402839.328  3769997.123       77.970
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LOCATION VOL330       VOLUME     402839.243  3769992.110       78.200
LOCATION VOL331       VOLUME     402844.341  3769997.080       78.000
LOCATION VOL332       VOLUME     402844.256  3769987.224       78.440
LOCATION VOL333       VOLUME     402844.256  3769992.067       78.220
LOCATION VOL334       VOLUME     402849.354  3769997.633       78.000
LOCATION VOL335       VOLUME     402849.269  3769987.776       78.440
LOCATION VOL336       VOLUME     402849.269  3769992.620       78.220
LOCATION VOL337       VOLUME     402854.325  3769998.185       77.990
LOCATION VOL338       VOLUME     402854.240  3769988.329       78.440
LOCATION VOL339       VOLUME     402854.240  3769993.172       78.220
LOCATION VOL340       VOLUME     402859.380  3769998.440       78.010
LOCATION VOL341       VOLUME     402859.295  3769988.584       78.460
LOCATION VOL342       VOLUME     402859.295  3769993.427       78.230
LOCATION VOL343       VOLUME     402864.436  3769998.780       78.010
LOCATION VOL344       VOLUME     402864.351  3769988.923       78.470
LOCATION VOL345       VOLUME     402864.351  3769993.767       78.240
LOCATION VOL346       VOLUME     402869.492  3769999.545       77.990
LOCATION VOL347       VOLUME     402869.407  3769989.688       78.450
LOCATION VOL348       VOLUME     402869.407  3769994.531       78.230
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LOCATION VOL355       VOLUME     402884.828  3770000.692       77.990
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LOCATION VOL357       VOLUME     402884.743  3769995.678       78.230
LOCATION VOL358       VOLUME     402889.785  3770000.777       78.000
LOCATION VOL359       VOLUME     402889.700  3769990.920       78.470
LOCATION VOL360       VOLUME     402889.700  3769995.763       78.240
LOCATION VOL361       VOLUME     402894.798  3770000.947       78.000
LOCATION VOL362       VOLUME     402894.713  3769991.090       78.480
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LOCATION VOL363 VOLUME 402894.713 3769995.933 78.240
LOCATION VOL364 VOLUME 402899.769 3770001.116 78.000
LOCATION VOL365 VOLUME 402899.684 3769991.260 78.490
LOCATION VOL366 VOLUME 402899.684 3769996.103 78.250
LOCATION VOL367 VOLUME 402904.697 3770001.329 78.010
LOCATION VOL368 VOLUME 402904.612 3769991.473 78.490
LOCATION VOL369 VOLUME 402904.612 3769996.316 78.250
LOCATION VOL370 VOLUME 402909.625 3770001.371 78.020
LOCATION VOL371 VOLUME 402909.540 3769991.515 78.500
LOCATION VOL372 VOLUME 402909.540 3769996.358 78.260
LOCATION VOL373 VOLUME 402914.638 3770001.286 78.030
LOCATION VOL374 VOLUME 402914.553 3769991.430 78.520
LOCATION VOL375 VOLUME 402914.553 3769996.273 78.270
LOCATION VOL376 VOLUME 402919.651 3770001.754 78.060
LOCATION VOL377 VOLUME 402919.566 3769991.897 78.530
LOCATION VOL378 VOLUME 402919.566 3769996.741 78.280
LOCATION VOL379 VOLUME 402924.792 3770002.009 78.100
LOCATION VOL380 VOLUME 402924.707 3769992.152 78.550
LOCATION VOL381 VOLUME 402924.707 3769996.995 78.310
LOCATION VOL382 VOLUME 402929.848 3770002.136 78.150
LOCATION VOL383 VOLUME 402929.763 3769992.280 78.590
LOCATION VOL384 VOLUME 402929.763 3769997.123 78.350
LOCATION VOL385 VOLUME 402934.909 3770001.973 78.200
LOCATION VOL386 VOLUME 402934.824 3769992.116 78.640
LOCATION VOL387 VOLUME 402934.824 3769996.960 78.400
LOCATION VOL388 VOLUME 402940.050 3770002.228 78.240
LOCATION VOL389 VOLUME 402939.965 3769992.371 78.670
LOCATION VOL390 VOLUME 402939.965 3769997.215 78.440
LOCATION VOL391 VOLUME 402945.105 3770002.355 78.340
LOCATION VOL392 VOLUME 402945.020 3769992.499 78.740
LOCATION VOL393 VOLUME 402945.020 3769997.342 78.520
LOCATION VOL394 VOLUME 402950.057 3770002.476 78.460
LOCATION VOL395 VOLUME 402949.972 3769992.619 78.830
LOCATION VOL396 VOLUME 402949.972 3769997.463 78.630
LOCATION VOL397 VOLUME 402955.198 3770002.731 78.570
LOCATION VOL398 VOLUME 402955.113 3769992.874 78.920
LOCATION VOL399 VOLUME 402955.113 3769997.718 78.730
LOCATION VOL400 VOLUME 402960.253 3770002.858 78.690
LOCATION VOL401 VOLUME 402960.168 3769993.002 79.010
LOCATION VOL402 VOLUME 402960.168 3769997.845 78.840
LOCATION VOL403 VOLUME 402962.761 3770002.873 78.750
LOCATION VOL404 VOLUME 402963.101 3769997.944 78.910
LOCATION VOL405 VOLUME 402962.974 3769992.930 79.070
LOCATION VOL406 VOLUME 402963.016 3769987.874 79.240
LOCATION VOL407 VOLUME 402957.917 3769987.916 79.160
LOCATION VOL408 VOLUME 402952.903 3769987.916 79.080
LOCATION VOL409 VOLUME 402948.017 3769988.001 79.000
LOCATION VOL410 VOLUME 402943.173 3769988.171 78.910
LOCATION VOL411 VOLUME 402938.159 3769988.129 78.860
LOCATION VOL412 VOLUME 402933.145 3769988.129 78.820

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   LOCATION VOL413       VOLUME     402928.216  3769988.299       78.770
   LOCATION VOL414       VOLUME     402923.202  3769988.469       78.730
   LOCATION VOL415       VOLUME     402918.146  3769988.639       78.680
   LOCATION VOL416       VOLUME     402913.217  3769988.639       78.650
   LOCATION VOL417       VOLUME     402908.203  3769988.809       78.630
   LOCATION PAREA1       AREAPOLY   402491.746  3770267.017       76.970
** Source Parameters **
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   SRCPARAM VOL2              1.0     5.000     1.142     1.400
   SRCPARAM VOL3              1.0     5.000     1.142     1.400
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   SRCPARAM VOL43             1.0     5.000     1.142     1.400
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SRCPARAM VOL267             1.0     5.000     1.142     1.400
SRCPARAM VOL268             1.0     5.000     1.142     1.400
SRCPARAM VOL269             1.0     5.000     1.142     1.400
SRCPARAM VOL270             1.0     5.000     1.142     1.400
SRCPARAM VOL271             1.0     5.000     1.142     1.400
SRCPARAM VOL272             1.0     5.000     1.142     1.400
SRCPARAM VOL273             1.0     5.000     1.142     1.400
SRCPARAM VOL274             1.0     5.000     1.142     1.400
SRCPARAM VOL275             1.0     5.000     1.142     1.400
SRCPARAM VOL276             1.0     5.000     1.142     1.400
SRCPARAM VOL277             1.0     5.000     1.142     1.400
SRCPARAM VOL278             1.0     5.000     1.142     1.400
SRCPARAM VOL279             1.0     5.000     1.142     1.400
SRCPARAM VOL280             1.0     5.000     1.142     1.400
SRCPARAM VOL281             1.0     5.000     1.142     1.400
SRCPARAM VOL282             1.0     5.000     1.142     1.400
SRCPARAM VOL283             1.0     5.000     1.142     1.400
SRCPARAM VOL284             1.0     5.000     1.142     1.400
SRCPARAM VOL285             1.0     5.000     1.142     1.400
SRCPARAM VOL286             1.0     5.000     1.142     1.400
SRCPARAM VOL287             1.0     5.000     1.142     1.400
SRCPARAM VOL288             1.0     5.000     1.142     1.400
SRCPARAM VOL289             1.0     5.000     1.142     1.400
SRCPARAM VOL290             1.0     5.000     1.142     1.400
SRCPARAM VOL291             1.0     5.000     1.142     1.400
SRCPARAM VOL292             1.0     5.000     1.142     1.400
SRCPARAM VOL293             1.0     5.000     1.142     1.400
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SRCPARAM VOL294             1.0     5.000     1.142     1.400
SRCPARAM VOL295             1.0     5.000     1.142     1.400
SRCPARAM VOL296             1.0     5.000     1.142     1.400
SRCPARAM VOL297             1.0     5.000     1.142     1.400
SRCPARAM VOL298             1.0     5.000     1.142     1.400
SRCPARAM VOL299             1.0     5.000     1.142     1.400
SRCPARAM VOL300             1.0     5.000     1.142     1.400
SRCPARAM VOL301             1.0     5.000     1.142     1.400
SRCPARAM VOL302             1.0     5.000     1.142     1.400
SRCPARAM VOL303             1.0     5.000     1.142     1.400
SRCPARAM VOL304             1.0     5.000     1.142     1.400
SRCPARAM VOL305             1.0     5.000     1.142     1.400
SRCPARAM VOL306             1.0     5.000     1.142     1.400
SRCPARAM VOL307             1.0     5.000     1.142     1.400
SRCPARAM VOL308             1.0     5.000     1.142     1.400
SRCPARAM VOL309             1.0     5.000     1.142     1.400
SRCPARAM VOL310             1.0     5.000     1.142     1.400
SRCPARAM VOL311             1.0     5.000     1.142     1.400
SRCPARAM VOL312             1.0     5.000     1.142     1.400
SRCPARAM VOL313             1.0     5.000     1.142     1.400
SRCPARAM VOL314             1.0     5.000     1.142     1.400
SRCPARAM VOL315             1.0     5.000     1.142     1.400
SRCPARAM VOL316             1.0     5.000     1.142     1.400
SRCPARAM VOL317             1.0     5.000     1.142     1.400
SRCPARAM VOL318             1.0     5.000     1.142     1.400
SRCPARAM VOL319             1.0     5.000     1.142     1.400
SRCPARAM VOL320             1.0     5.000     1.142     1.400
SRCPARAM VOL321             1.0     5.000     1.142     1.400
SRCPARAM VOL322             1.0     5.000     1.142     1.400
SRCPARAM VOL323             1.0     5.000     1.142     1.400
SRCPARAM VOL324             1.0     5.000     1.142     1.400
SRCPARAM VOL325             1.0     5.000     1.142     1.400
SRCPARAM VOL326             1.0     5.000     1.142     1.400
SRCPARAM VOL327             1.0     5.000     1.142     1.400
SRCPARAM VOL328             1.0     5.000     1.142     1.400
SRCPARAM VOL329             1.0     5.000     1.142     1.400
SRCPARAM VOL330             1.0     5.000     1.142     1.400
SRCPARAM VOL331             1.0     5.000     1.142     1.400
SRCPARAM VOL332             1.0     5.000     1.142     1.400
SRCPARAM VOL333             1.0     5.000     1.142     1.400
SRCPARAM VOL334             1.0     5.000     1.142     1.400
SRCPARAM VOL335             1.0     5.000     1.142     1.400
SRCPARAM VOL336             1.0     5.000     1.142     1.400
SRCPARAM VOL337             1.0     5.000     1.142     1.400
SRCPARAM VOL338             1.0     5.000     1.142     1.400
SRCPARAM VOL339             1.0     5.000     1.142     1.400
SRCPARAM VOL340             1.0     5.000     1.142     1.400
SRCPARAM VOL341             1.0     5.000     1.142     1.400
SRCPARAM VOL342             1.0     5.000     1.142     1.400
SRCPARAM VOL343             1.0     5.000     1.142     1.400
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SRCPARAM VOL344             1.0     5.000     1.142     1.400
SRCPARAM VOL345             1.0     5.000     1.142     1.400
SRCPARAM VOL346             1.0     5.000     1.142     1.400
SRCPARAM VOL347             1.0     5.000     1.142     1.400
SRCPARAM VOL348             1.0     5.000     1.142     1.400
SRCPARAM VOL349             1.0     5.000     1.142     1.400
SRCPARAM VOL350             1.0     5.000     1.142     1.400
SRCPARAM VOL351             1.0     5.000     1.142     1.400
SRCPARAM VOL352             1.0     5.000     1.142     1.400
SRCPARAM VOL353             1.0     5.000     1.142     1.400
SRCPARAM VOL354             1.0     5.000     1.142     1.400
SRCPARAM VOL355             1.0     5.000     1.142     1.400
SRCPARAM VOL356             1.0     5.000     1.142     1.400
SRCPARAM VOL357             1.0     5.000     1.142     1.400
SRCPARAM VOL358             1.0     5.000     1.142     1.400
SRCPARAM VOL359             1.0     5.000     1.142     1.400
SRCPARAM VOL360             1.0     5.000     1.142     1.400
SRCPARAM VOL361             1.0     5.000     1.142     1.400
SRCPARAM VOL362             1.0     5.000     1.142     1.400
SRCPARAM VOL363             1.0     5.000     1.142     1.400
SRCPARAM VOL364             1.0     5.000     1.142     1.400
SRCPARAM VOL365             1.0     5.000     1.142     1.400
SRCPARAM VOL366             1.0     5.000     1.142     1.400
SRCPARAM VOL367             1.0     5.000     1.142     1.400
SRCPARAM VOL368             1.0     5.000     1.142     1.400
SRCPARAM VOL369             1.0     5.000     1.142     1.400
SRCPARAM VOL370             1.0     5.000     1.142     1.400
SRCPARAM VOL371             1.0     5.000     1.142     1.400
SRCPARAM VOL372             1.0     5.000     1.142     1.400
SRCPARAM VOL373             1.0     5.000     1.142     1.400
SRCPARAM VOL374             1.0     5.000     1.142     1.400
SRCPARAM VOL375             1.0     5.000     1.142     1.400
SRCPARAM VOL376             1.0     5.000     1.142     1.400
SRCPARAM VOL377             1.0     5.000     1.142     1.400
SRCPARAM VOL378             1.0     5.000     1.142     1.400
SRCPARAM VOL379             1.0     5.000     1.142     1.400
SRCPARAM VOL380             1.0     5.000     1.142     1.400
SRCPARAM VOL381             1.0     5.000     1.142     1.400
SRCPARAM VOL382             1.0     5.000     1.142     1.400
SRCPARAM VOL383             1.0     5.000     1.142     1.400
SRCPARAM VOL384             1.0     5.000     1.142     1.400
SRCPARAM VOL385             1.0     5.000     1.142     1.400
SRCPARAM VOL386             1.0     5.000     1.142     1.400
SRCPARAM VOL387             1.0     5.000     1.142     1.400
SRCPARAM VOL388             1.0     5.000     1.142     1.400
SRCPARAM VOL389             1.0     5.000     1.142     1.400
SRCPARAM VOL390             1.0     5.000     1.142     1.400
SRCPARAM VOL391             1.0     5.000     1.142     1.400
SRCPARAM VOL392             1.0     5.000     1.142     1.400
SRCPARAM VOL393             1.0     5.000     1.142     1.400
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SRCPARAM VOL394            1.0     5.000     1.142     1.400
SRCPARAM VOL395            1.0     5.000     1.142     1.400
SRCPARAM VOL396            1.0     5.000     1.142     1.400
SRCPARAM VOL397            1.0     5.000     1.142     1.400
SRCPARAM VOL398            1.0     5.000     1.142     1.400
SRCPARAM VOL399            1.0     5.000     1.142     1.400
SRCPARAM VOL400            1.0     5.000     1.142     1.400
SRCPARAM VOL401            1.0     5.000     1.142     1.400
SRCPARAM VOL402            1.0     5.000     1.142     1.400
SRCPARAM VOL403            1.0     5.000     1.142     1.400
SRCPARAM VOL404            1.0     5.000     1.142     1.400
SRCPARAM VOL405            1.0     5.000     1.142     1.400
SRCPARAM VOL406            1.0     5.000     1.142     1.400
SRCPARAM VOL407            1.0     5.000     1.142     1.400
SRCPARAM VOL408            1.0     5.000     1.142     1.400
SRCPARAM VOL409            1.0     5.000     1.142     1.400
SRCPARAM VOL410            1.0     5.000     1.142     1.400
SRCPARAM VOL411            1.0     5.000     1.142     1.400
SRCPARAM VOL412            1.0     5.000     1.142     1.400
SRCPARAM VOL413            1.0     5.000     1.142     1.400
SRCPARAM VOL414            1.0     5.000     1.142     1.400
SRCPARAM VOL415            1.0     5.000     1.142     1.400
SRCPARAM VOL416            1.0     5.000     1.142     1.400
SRCPARAM VOL417            1.0     5.000     1.142     1.400
SRCPARAM PAREA1       0.0001236277     0.000        70     1.000
AREAVERT PAREA1       402491.746 3770267.017 402477.902 3770263.331
AREAVERT PAREA1       402488.387 3770246.621 402498.545 3770228.190
AREAVERT PAREA1       402505.016 3770217.786 402518.942 3770194.359
AREAVERT PAREA1       402531.065 3770176.583 402538.519 3770167.490
AREAVERT PAREA1       402544.827 3770160.200 402564.077 3770151.435
AREAVERT PAREA1       402581.279 3770144.226 402594.304 3770138.328
AREAVERT PAREA1       402608.229 3770131.038 402617.240 3770127.352
AREAVERT PAREA1       402628.299 3770122.191 402634.688 3770118.996
AREAVERT PAREA1       402635.753 3770118.013 402643.617 3770116.048
AREAVERT PAREA1       402648.859 3770114.409 402653.447 3770112.197
AREAVERT PAREA1       402655.085 3770110.887 402655.658 3770110.068
AREAVERT PAREA1       402657.215 3770109.167 402663.113 3770106.382
AREAVERT PAREA1       402677.775 3770099.419 402680.806 3770097.780
AREAVERT PAREA1       402689.407 3770082.708 402703.906 3770057.478
AREAVERT PAREA1       402707.838 3770050.843 402721.272 3770035.607
AREAVERT PAREA1       402731.348 3770023.811 402743.308 3770010.541
AREAVERT PAREA1       402752.318 3770003.660 402759.936 3769997.926
AREAVERT PAREA1       402767.636 3769992.929 402770.012 3769991.291
AREAVERT PAREA1       402782.463 3769988.669 402794.750 3769986.458
AREAVERT PAREA1       402803.925 3769985.720 402811.871 3769985.556
AREAVERT PAREA1       402819.079 3769984.328 402825.223 3769984.655
AREAVERT PAREA1       402833.333 3769985.475 402857.743 3769986.949
AREAVERT PAREA1       402879.287 3769988.260 402909.841 3769987.113
AREAVERT PAREA1       402940.232 3769987.031 402964.479 3769985.393
AREAVERT PAREA1       402964.561 3770005.380 402947.195 3770005.298
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   AREAVERT PAREA1       402923.931 3770004.233 402876.256 3770002.595
   AREAVERT PAREA1       402838.821 3769999.646 402816.048 3769998.745
   AREAVERT PAREA1       402780.661 3770002.267 402775.910 3770003.742
   AREAVERT PAREA1       402768.701 3770008.411 402755.513 3770017.913
   AREAVERT PAREA1       402720.699 3770054.775 402713.327 3770066.816
   AREAVERT PAREA1       402693.339 3770101.794 402686.622 3770108.347
   AREAVERT PAREA1       402681.380 3770111.788 402618.714 3770140.540
   AREAVERT PAREA1       402581.607 3770156.759 402552.363 3770170.931
   AREAVERT PAREA1       402544.827 3770175.354 402536.062 3770189.853
   AREAVERT PAREA1       402506.245 3770241.214 402492.729 3770263.495
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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```
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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```
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
```

```
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL61        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL75        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL76        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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```
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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```
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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```
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL90        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL91        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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```
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL104       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL105       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL106       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL118       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL119       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL120       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL121       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL131       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL132       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL133       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL134       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL135       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL136       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL143       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL145       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL146       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL147       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL148       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL149       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL150       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL151       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL152       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL153       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL154       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL155       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL162       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL163       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL166       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL167       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL168       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL169       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL170       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL171       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL172       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL172       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL173       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL173       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL174       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL174       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL175       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL175       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL176       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL176       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL177       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL177       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL178       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL178       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL179       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL179       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL180       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL180       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL181       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL181       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL182       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL182       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL183       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL183       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL184       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL184       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL185       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL185       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL186       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL186       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL187       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL187       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL188       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL188       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL189       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL189       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL190       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL190       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL191       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL191       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL192       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL192       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL193       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL193       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL194       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL194       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL195       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL195       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL196       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL196       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL197       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL197       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL198       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL198       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL199       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL199       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL200       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL200       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL201       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL201       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL202       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL202       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL203       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL203       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL204       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL204       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL205       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL205       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL206       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL206       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL207       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL207       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL208       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL208       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL209       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL209       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL210       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL210       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL211       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL211       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL212       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL212       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL213       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL213       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL214       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL214       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL215       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL215       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL216       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL216       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL217       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL217       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL218       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL218       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL219       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL219       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL220       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL220       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL221       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL221       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL222       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL222       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL223       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL223       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL224       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL224       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL225       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL225       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL226       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL226       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL227       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL227       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL228       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL228       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL229       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL229       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL230       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL230       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL231       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL231       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL232       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL232       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL233       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL233       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL234       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL234       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL235       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL235       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL236       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL236       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL237       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL237       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL238       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL238       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL239       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL239       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL240       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL240       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL241       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL241       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL242       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL242       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL243       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL243       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL244       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL244       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL245       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL245       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL246       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL246       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL247       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL247       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL248       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL248       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL249       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL249       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL250       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL250       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL251       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL251       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL252       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL252       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL253       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL253       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL254       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL254       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL255       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL255       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL256       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL256       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL257       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL257       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL258       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL258       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL259       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL259       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL260       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL260       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL261       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL261       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL262       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL262       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL263       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL263       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL264       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL264       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL265       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL265       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL266       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL266       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL267       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL267       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL268       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL268       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL269       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL269       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL270       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL270       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL271       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL271       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL272       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL272       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL273       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL273       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL274       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL274       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL275       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL275       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL276       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL276       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL277       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL277       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL278       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL278       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL279       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL279       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL280       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL280       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL281       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL281       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL282       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL282       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL283       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL283       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL284       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL284       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL285       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL285       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL286       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL286       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL287       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL287       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL288       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL288       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL289       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL289       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL290       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL290       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL291       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL291       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL292       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL292       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL293       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL293       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL294       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL294       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL295       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL295       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL296       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL296       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL297       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL297       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL298       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL298       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL299       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL299       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL300       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL300       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL301       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL301       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL302       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL302       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL303       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL303       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL304       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL304       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL305       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL305       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL306       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL306       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL307       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL307       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL308       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL308       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL309       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL309       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL310       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL310       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL311       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL311       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL312       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL312       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL313       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL313       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL314       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL314       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL315       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL315       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL316       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL316       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL317       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL317       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL318       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL318       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL319       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL319       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL320       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL320       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL321       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL321       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL322       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL322       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL323       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL323       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL324       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL324       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL325       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL325       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL326       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL326       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL327       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL327       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL328       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL328       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL329       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL329       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL330       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL330       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL331       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL331       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL332       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL332       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL333       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL333       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL334       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL334       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL335       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL335       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL336       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL336       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL337       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL337       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL338       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL338       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL339       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL339       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL340       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL340       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL341       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL341       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL342       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL342       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL343       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL343       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL344       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL344       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL345       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL345       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL346       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL346       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL347       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL347       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL348       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL348       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL349       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL349       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL350       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL350       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL351       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL351       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL352       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL352       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL353       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL353       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL354       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL354       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL355       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL355       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL356       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL356       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL357       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL357       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL358       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL358       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL359       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL359       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL360       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL360       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL361       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL361       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL362       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL362       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL363       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL363       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL364       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL364       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL365       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL365       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL366       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL366       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL367       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL367       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL368       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL368       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL369       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL369       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL370       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL370       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL371       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL371       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL372       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL372       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL373       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL373       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL374       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL374       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL375       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL375       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL376       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL376       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL377       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL377       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL378       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL378       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL379       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL379       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL380       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL380       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL381       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL381       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL382       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL382       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL383       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL383       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL384       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL384       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL385       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL385       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL386       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL386       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL387       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL387       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL388       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL388       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL389       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL389       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL390       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL390       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL391       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL391       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL392       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL392       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL393       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL393       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL394       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL394       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL395       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL395       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL396       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL396       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL397       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL397       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL398       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL398       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL399       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL399       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL400       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL400       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL401       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL401       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL402       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL402       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL403       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL403       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL404       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL404       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL405       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL405       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL406       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL406       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL407       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL407       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL408       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL408       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL409       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL409       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL410       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL410       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL411       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL411       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL412       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL412       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL413       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL413       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL414       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL414       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL415       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL415       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL416       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
```

```
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL416       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL417       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL417       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Dust     PAREA1
   SRCGROUP Exhuast  VOL1 VOL2 VOL3 VOL4 VOL5 VOL6 VOL7 VOL8 VOL9 VOL10
   SRCGROUP Exhuast  VOL11 VOL12 VOL13 VOL14 VOL15 VOL16 VOL17 VOL18 VOL19
   SRCGROUP Exhuast  VOL20 VOL21 VOL22 VOL23 VOL24 VOL25 VOL26 VOL27 VOL28
   SRCGROUP Exhuast  VOL29 VOL30 VOL31 VOL32 VOL33 VOL34 VOL35 VOL36 VOL37
   SRCGROUP Exhuast  VOL38 VOL39 VOL40 VOL41 VOL42 VOL43 VOL44 VOL45 VOL46
   SRCGROUP Exhuast  VOL47 VOL48 VOL49 VOL50 VOL51 VOL52 VOL53 VOL54 VOL55
   SRCGROUP Exhuast  VOL56 VOL57 VOL58 VOL59 VOL60 VOL61 VOL62 VOL63 VOL64
   SRCGROUP Exhuast  VOL65 VOL66 VOL67 VOL68 VOL69 VOL70 VOL71 VOL72 VOL73
   SRCGROUP Exhuast  VOL74 VOL75 VOL76 VOL77 VOL78 VOL79 VOL80 VOL81 VOL82
   SRCGROUP Exhuast  VOL83 VOL84 VOL85 VOL86 VOL87 VOL88 VOL89 VOL90 VOL91
   SRCGROUP Exhuast  VOL92 VOL93 VOL94 VOL95 VOL96 VOL97 VOL98 VOL99 VOL100
   SRCGROUP Exhuast  VOL101 VOL102 VOL103 VOL104 VOL105 VOL106 VOL107 VOL108
   SRCGROUP Exhuast  VOL109 VOL110 VOL111 VOL112 VOL113 VOL114 VOL115 VOL116
   SRCGROUP Exhuast  VOL117 VOL118 VOL119 VOL120 VOL121 VOL122 VOL123 VOL124
   SRCGROUP Exhuast  VOL125 VOL126 VOL127 VOL128 VOL129 VOL130 VOL131 VOL132
   SRCGROUP Exhuast  VOL133 VOL134 VOL135 VOL136 VOL137 VOL138 VOL139 VOL140
   SRCGROUP Exhuast  VOL141 VOL142 VOL143 VOL144 VOL145 VOL146 VOL147 VOL148
   SRCGROUP Exhuast  VOL149 VOL150 VOL151 VOL152 VOL153 VOL154 VOL155 VOL156
   SRCGROUP Exhuast  VOL157 VOL158 VOL159 VOL160 VOL161 VOL162 VOL163 VOL164
   SRCGROUP Exhuast  VOL165 VOL166 VOL167 VOL168 VOL169 VOL170 VOL171 VOL172
   SRCGROUP Exhuast  VOL173 VOL174 VOL175 VOL176 VOL177 VOL178 VOL179 VOL180
   SRCGROUP Exhuast  VOL181 VOL182 VOL183 VOL184 VOL185 VOL186 VOL187 VOL188
   SRCGROUP Exhuast  VOL189 VOL190 VOL191 VOL192 VOL193 VOL194 VOL195 VOL196
   SRCGROUP Exhuast  VOL197 VOL198 VOL199 VOL200 VOL201 VOL202 VOL203 VOL204
   SRCGROUP Exhuast  VOL205 VOL206 VOL207 VOL208 VOL209 VOL210 VOL211 VOL212
   SRCGROUP Exhuast  VOL213 VOL214 VOL215 VOL216 VOL217 VOL218 VOL219 VOL220
   SRCGROUP Exhuast  VOL221 VOL222 VOL223 VOL224 VOL225 VOL226 VOL227 VOL228
   SRCGROUP Exhuast  VOL229 VOL230 VOL231 VOL232 VOL233 VOL234 VOL235 VOL236
   SRCGROUP Exhuast  VOL237 VOL238 VOL239 VOL240 VOL241 VOL242 VOL243 VOL244
   SRCGROUP Exhuast  VOL245 VOL246 VOL247 VOL248 VOL249 VOL250 VOL251 VOL252
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   SRCGROUP Exhuast  VOL253 VOL254 VOL255 VOL256 VOL257 VOL258 VOL259 VOL260
   SRCGROUP Exhuast  VOL261 VOL262 VOL263 VOL264 VOL265 VOL266 VOL267 VOL268
   SRCGROUP Exhuast  VOL269 VOL270 VOL271 VOL272 VOL273 VOL274 VOL275 VOL276
   SRCGROUP Exhuast  VOL277 VOL278 VOL279 VOL280 VOL281 VOL282 VOL283 VOL284
   SRCGROUP Exhuast  VOL285 VOL286 VOL287 VOL288 VOL289 VOL290 VOL291 VOL292
   SRCGROUP Exhuast  VOL293 VOL294 VOL295 VOL296 VOL297 VOL298 VOL299 VOL300
   SRCGROUP Exhuast  VOL301 VOL302 VOL303 VOL304 VOL305 VOL306 VOL307 VOL308
   SRCGROUP Exhuast  VOL309 VOL310 VOL311 VOL312 VOL313 VOL314 VOL315 VOL316
   SRCGROUP Exhuast  VOL317 VOL318 VOL319 VOL320 VOL321 VOL322 VOL323 VOL324
   SRCGROUP Exhuast  VOL325 VOL326 VOL327 VOL328 VOL329 VOL330 VOL331 VOL332
   SRCGROUP Exhuast  VOL333 VOL334 VOL335 VOL336 VOL337 VOL338 VOL339 VOL340
   SRCGROUP Exhuast  VOL341 VOL342 VOL343 VOL344 VOL345 VOL346 VOL347 VOL348
   SRCGROUP Exhuast  VOL349 VOL350 VOL351 VOL352 VOL353 VOL354 VOL355 VOL356
   SRCGROUP Exhuast  VOL357 VOL358 VOL359 VOL360 VOL361 VOL362 VOL363 VOL364
   SRCGROUP Exhuast  VOL365 VOL366 VOL367 VOL368 VOL369 VOL370 VOL371 VOL372
   SRCGROUP Exhuast  VOL373 VOL374 VOL375 VOL376 VOL377 VOL378 VOL379 VOL380
   SRCGROUP Exhuast  VOL381 VOL382 VOL383 VOL384 VOL385 VOL386 VOL387 VOL388
   SRCGROUP Exhuast  VOL389 VOL390 VOL391 VOL392 VOL393 VOL394 VOL395 VOL396
   SRCGROUP Exhuast  VOL397 VOL398 VOL399 VOL400 VOL401 VOL402 VOL403 VOL404
   SRCGROUP Exhuast  VOL405 VOL406 VOL407 VOL408 VOL409 VOL410 VOL411 VOL412
   SRCGROUP Exhuast  VOL413 VOL414 VOL415 VOL416 VOL417
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Construction LSTs.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\AZUS_V11_trimmed.sfc
   PROFFILE ..\AZUS_V11_trimmed.pfl
   SURFDATA 3179 2017
   UAIRDATA 3190 2017
   SITEDATA 60370002 2017
   PROFBASE 187.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
```

```
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 Dust 1ST "CONSTRUCTION LSTS.AD\24 Dust.PLT" 31
   PLOTFILE 1 Exhuast 1ST "CONSTRUCTION LSTS.AD\01 Exhaust.PLT" 32
   PLOTFILE 8 Exhuast 1ST "CONSTRUCTION LSTS.AD\08 Exhaust.PLT" 33
   PLOTFILE 24 Exhuast 1ST "CONSTRUCTION LSTS.AD\24 Exhaust.PLT" 34
   SUMMFILE "Construction LSTs.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W186    7244       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
 ME W187    7244       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


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

↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

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- - - - - - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   418 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   9663345.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: DPM

 **Model Calculates  3 Short Term Average(s) of:   1-HR   8-HR  24-HR

 **This Run Includes:    418 Source(s);       3 Source Group(s); and      74
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    417 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  22112

 **Output Options Selected:
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
```

Keyword)

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing
Hours
                                                                 b for Both Calm
and Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   187.00 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   4.5 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: Construction LSTs.err

 **File for Summary of Results: Construction LSTs.sum

 *** AERMOD - VERSION 24142 ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION 22112 ***   ***
                       ***   10:17:50

                                  PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

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

 VOL1   0   0.10000E+01 402480.7 3770261.6   77.1   5.00   1.14
1.40   YES   HRDOW   NO
 VOL2   0   0.10000E+01 402485.6 3770262.9   77.1   5.00   1.14
1.40   YES   HRDOW   NO

```
 VOL3            0   0.10000E+01  402490.6 3770263.3    77.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL4            0   0.10000E+01  402483.1 3770257.8    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL5            0   0.10000E+01  402488.0 3770258.3    77.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL6            0   0.10000E+01  402492.9 3770258.3    77.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL7            0   0.10000E+01  402486.1 3770253.3    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL8            0   0.10000E+01  402491.2 3770253.3    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL9            0   0.10000E+01  402496.1 3770253.3    77.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL10           0   0.10000E+01  402488.5 3770248.3    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL11           0   0.10000E+01  402493.5 3770248.3    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL12           0   0.10000E+01  402498.4 3770248.4    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL13           0   0.10000E+01  402491.4 3770243.4    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL14           0   0.10000E+01  402496.4 3770243.4    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL15           0   0.10000E+01  402501.4 3770243.5    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL16           0   0.10000E+01  402496.9 3770233.6    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL17           0   0.10000E+01  402501.9 3770233.6    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL18           0   0.10000E+01  402506.9 3770233.6    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL19           0   0.10000E+01  402499.8 3770228.7    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL20           0   0.10000E+01  402504.9 3770228.7    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL21           0   0.10000E+01  402509.8 3770228.7    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL22           0   0.10000E+01  402494.6 3770238.5    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL23           0   0.10000E+01  402499.6 3770238.6    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL24           0   0.10000E+01  402504.6 3770238.6    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL25           0   0.10000E+01  402505.3 3770218.6    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL26           0   0.10000E+01  402510.4 3770218.7    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL27           0   0.10000E+01  402515.3 3770218.7    77.2     5.00     1.14
1.40     YES   HRDOW            NO
```

```
 VOL28            0   0.10000E+01  402508.3 3770213.7    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL29            0   0.10000E+01  402513.3 3770213.8    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL30            0   0.10000E+01  402518.3 3770213.8    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL31            0   0.10000E+01  402503.0 3770223.6    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL32            0   0.10000E+01  402508.1 3770223.6    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL33            0   0.10000E+01  402513.0 3770223.7    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL34            0   0.10000E+01  402514.1 3770203.9    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL35            0   0.10000E+01  402519.1 3770204.0    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL36            0   0.10000E+01  402524.1 3770204.0    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL37            0   0.10000E+01  402517.0 3770199.0    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL38            0   0.10000E+01  402522.1 3770199.1    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL39            0   0.10000E+01  402527.0 3770199.1    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL40            0   0.10000E+01  402511.8 3770208.9    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 VOL41            0   0.10000E+01  402516.8 3770208.9    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL42            0   0.10000E+01  402521.8 3770209.0    77.3     5.00     1.14
```

```
1.40     YES   HRDOW            NO
 VOL43           0   0.10000E+01  402522.9 3770189.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL44           0   0.10000E+01  402528.0 3770189.2    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL45           0   0.10000E+01  402532.9 3770189.3    77.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL46           0   0.10000E+01  402538.9 3770179.5    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL47           0   0.10000E+01  402531.2 3770184.3    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL48           0   0.10000E+01  402536.2 3770184.4    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL49           0   0.10000E+01  402520.6 3770194.1    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL50           0   0.10000E+01  402525.7 3770194.2    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL51           0   0.10000E+01  402530.6 3770194.2    77.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL52           0   0.10000E+01  402533.9 3770179.3    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL53           0   0.10000E+01  402541.8 3770174.4    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL54           0   0.10000E+01  402536.7 3770174.4    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL55           0   0.10000E+01  402544.1 3770173.0    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL56           0   0.10000E+01  402528.0 3770184.1    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL57           0   0.10000E+01  402548.7 3770171.6    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL58           0   0.10000E+01  402539.1 3770169.3    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL59           0   0.10000E+01  402551.8 3770169.9    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL60           0   0.10000E+01  402536.8 3770171.4    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL61           0   0.10000E+01  402530.6 3770180.1    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL62           0   0.10000E+01  402532.5 3770176.4    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL63           0   0.10000E+01  402540.9 3770166.2    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL64           0   0.10000E+01  402544.1 3770168.0    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL65           0   0.10000E+01  402544.9 3770163.9    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL66           0   0.10000E+01  402549.1 3770166.5    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL67           0   0.10000E+01  402549.9 3770162.4    77.6     5.00     1.14
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1.40     YES   HRDOW            NO
 VOL68           0   0.10000E+01  402555.5 3770168.1    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL69           0   0.10000E+01  402554.1 3770164.9    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL70           0   0.10000E+01  402558.6 3770165.6    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL71           0   0.10000E+01  402552.4 3770160.0    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL72           0   0.10000E+01  402560.9 3770164.1    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL73           0   0.10000E+01  402555.0 3770158.7    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL74           0   0.10000E+01  402557.4 3770160.7    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL75           0   0.10000E+01  402557.7 3770156.8    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL76           0   0.10000E+01  402565.0 3770162.2    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL77           0   0.10000E+01  402570.0 3770160.0    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL78           0   0.10000E+01  402575.0 3770157.4    77.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL79           0   0.10000E+01  402580.0 3770155.1    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL80           0   0.10000E+01  402562.5 3770159.1    77.4     5.00     1.14
1.40     YES   HRDOW            NO
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***       10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

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

 VOL81           0   0.10000E+01  402567.6 3770157.1    77.5     5.00     1.14
1.40     YES   HRDOW            NO
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 VOL82            0   0.10000E+01  402562.8 3770155.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL83            0   0.10000E+01  402567.8 3770153.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL84            0   0.10000E+01  402569.6 3770151.9    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL85            0   0.10000E+01  402572.6 3770154.9    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL86            0   0.10000E+01  402574.6 3770150.0    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL87            0   0.10000E+01  402577.7 3770152.5    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL88            0   0.10000E+01  402583.1 3770153.7    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL89            0   0.10000E+01  402579.8 3770148.6    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL90            0   0.10000E+01  402586.1 3770152.2    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL91            0   0.10000E+01  402584.8 3770148.7    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL92            0   0.10000E+01  402583.7 3770146.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL93            0   0.10000E+01  402587.2 3770145.1    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL94            0   0.10000E+01  402589.6 3770150.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL95            0   0.10000E+01  402594.6 3770149.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL96            0   0.10000E+01  402592.2 3770145.1    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL97            0   0.10000E+01  402597.2 3770147.3    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL98            0   0.10000E+01  402592.4 3770142.7    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL99            0   0.10000E+01  402597.5 3770142.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL100           0   0.10000E+01  402596.2 3770139.2    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL101           0   0.10000E+01  402613.7 3770131.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL102           0   0.10000E+01  402600.6 3770145.9    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL103           0   0.10000E+01  402603.6 3770144.4    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL104           0   0.10000E+01  402602.3 3770140.9    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL105           0   0.10000E+01  402601.2 3770138.6    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL106           0   0.10000E+01  402604.6 3770137.3    77.8     5.00     1.14
1.40     YES   HRDOW            NO
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 VOL107           0   0.10000E+01  402607.1 3770142.4    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL108           0   0.10000E+01  402612.1 3770141.4    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL109           0   0.10000E+01  402609.6 3770137.3    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL110           0   0.10000E+01  402614.7 3770139.5    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL111           0   0.10000E+01  402609.9 3770134.9    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL112           0   0.10000E+01  402614.9 3770134.6    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL113           0   0.10000E+01  402630.8 3770123.2    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL114           0   0.10000E+01  402617.7 3770137.7    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL115           0   0.10000E+01  402620.7 3770136.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL116           0   0.10000E+01  402619.4 3770132.6    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL117           0   0.10000E+01  402618.3 3770130.3    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL118           0   0.10000E+01  402621.8 3770129.0    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL119           0   0.10000E+01  402624.3 3770134.1    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL120           0   0.10000E+01  402629.3 3770133.1    77.5     5.00     1.14
1.40     YES   HRDOW            NO
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 VOL121           0   0.10000E+01  402626.8 3770129.0    77.6     5.00     1.14
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1.40     YES   HRDOW            NO
 VOL122           0   0.10000E+01  402631.9 3770131.3    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL123           0   0.10000E+01  402627.1 3770126.6    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL124           0   0.10000E+01  402632.1 3770126.3    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL125           0   0.10000E+01  402647.8 3770115.1    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL126           0   0.10000E+01  402634.7 3770129.6    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL127           0   0.10000E+01  402637.7 3770128.1    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL128           0   0.10000E+01  402636.4 3770124.5    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL129           0   0.10000E+01  402635.3 3770122.2    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL130           0   0.10000E+01  402638.8 3770120.9    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL131           0   0.10000E+01  402641.3 3770126.0    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL132           0   0.10000E+01  402646.3 3770125.0    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL133           0   0.10000E+01  402643.8 3770120.9    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL134           0   0.10000E+01  402648.9 3770123.2    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL135           0   0.10000E+01  402644.1 3770118.5    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL136           0   0.10000E+01  402649.1 3770118.2    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL137           0   0.10000E+01  402665.3 3770107.5    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL138           0   0.10000E+01  402652.2 3770122.0    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL139           0   0.10000E+01  402655.2 3770120.5    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL140           0   0.10000E+01  402653.9 3770117.0    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL141           0   0.10000E+01  402652.8 3770114.7    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL142           0   0.10000E+01  402656.3 3770113.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL143           0   0.10000E+01  402658.8 3770118.5    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL144           0   0.10000E+01  402663.8 3770117.5    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL145           0   0.10000E+01  402661.3 3770113.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL146           0   0.10000E+01  402666.4 3770115.6    77.6     5.00     1.14
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY	AIRCRAFT
VOL147	0	0.10000E+01	402661.6	3770111.0	77.9	5.00	1.14	1.40	YES	HRDOW	NO
VOL148	0	0.10000E+01	402666.6	3770110.7	77.8	5.00	1.14	1.40	YES	HRDOW	NO
VOL149	0	0.10000E+01	402684.5	3770099.2	77.6	5.00	1.14	1.40	YES	HRDOW	NO
VOL150	0	0.10000E+01	402671.4	3770113.7	77.6	5.00	1.14	1.40	YES	HRDOW	NO
VOL151	0	0.10000E+01	402674.4	3770112.2	77.6	5.00	1.14	1.40	YES	HRDOW	NO
VOL152	0	0.10000E+01	402673.1	3770108.7	77.7	5.00	1.14	1.40	YES	HRDOW	NO
VOL153	0	0.10000E+01	402672.0	3770106.4	77.8	5.00	1.14	1.40	YES	HRDOW	NO
VOL154	0	0.10000E+01	402675.5	3770105.1	77.7	5.00	1.14	1.40	YES	HRDOW	NO
VOL155	0	0.10000E+01	402677.9	3770110.2	77.6	5.00	1.14	1.40	YES	HRDOW	NO
VOL156	0	0.10000E+01	402682.9	3770109.2	77.5	5.00	1.14	1.40	YES	HRDOW	NO
VOL157	0	0.10000E+01	402680.5	3770105.1	77.6	5.00	1.14	1.40	YES	HRDOW	NO
VOL158	0	0.10000E+01	402685.5	3770107.3	77.5	5.00	1.14	1.40	YES	HRDOW	NO
VOL159	0	0.10000E+01	402680.7	3770102.7	77.6	5.00	1.14	1.40	YES	HRDOW	NO
VOL160	0	0.10000E+01	402685.8	3770102.4	77.5	5.00	1.14	1.40	YES	HRDOW	NO

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 VOL161           0   0.10000E+01  402572.0 3770146.2    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL162           0   0.10000E+01  402576.9 3770145.0    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL163           0   0.10000E+01  402581.9 3770143.5    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL164           0   0.10000E+01  402587.0 3770140.0    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL165           0   0.10000E+01  402592.0 3770139.2    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL166           0   0.10000E+01  402597.3 3770136.8    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL167           0   0.10000E+01  402602.5 3770134.3    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL168           0   0.10000E+01  402607.6 3770132.0    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL169           0   0.10000E+01  402613.4 3770129.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL170           0   0.10000E+01  402619.4 3770126.2    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL171           0   0.10000E+01  402624.2 3770123.9    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL172           0   0.10000E+01  402626.4 3770120.5    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL173           0   0.10000E+01  402631.4 3770118.2    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL174           0   0.10000E+01  402636.7 3770117.2    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL175           0   0.10000E+01  402641.7 3770115.8    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL176           0   0.10000E+01  402653.9 3770110.7    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL177           0   0.10000E+01  402649.4 3770111.8    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL178           0   0.10000E+01  402660.0 3770107.3    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL179           0   0.10000E+01  402669.7 3770103.0    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL180           0   0.10000E+01  402674.6 3770100.6    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL181           0   0.10000E+01  402679.8 3770098.2    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL182           0   0.10000E+01  402683.5 3770094.1    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL183           0   0.10000E+01  402688.2 3770103.9    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL184           0   0.10000E+01  402689.8 3770101.7    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL185           0   0.10000E+01  402691.7 3770099.3    77.5     5.00     1.14
1.40     YES   HRDOW            NO
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 VOL186           0   0.10000E+01  402688.3 3770094.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL187           0   0.10000E+01  402689.3 3770096.8    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL188           0   0.10000E+01  402693.9 3770096.2    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL189           0   0.10000E+01  402694.9 3770093.7    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL190           0   0.10000E+01  402690.7 3770091.3    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL191           0   0.10000E+01  402686.3 3770089.9    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL192           0   0.10000E+01  402696.3 3770091.7    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL193           0   0.10000E+01  402698.1 3770088.5    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL194           0   0.10000E+01  402699.7 3770085.8    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL195           0   0.10000E+01  402688.3 3770086.5    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL196           0   0.10000E+01  402693.4 3770086.7    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL197           0   0.10000E+01  402698.0 3770083.5    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL198           0   0.10000E+01  402701.5 3770083.4    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL199           0   0.10000E+01  402693.3 3770081.5    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL200           0   0.10000E+01  402690.4 3770081.6    77.9     5.00     1.14
1.40     YES   HRDOW            NO
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 VOL201           0   0.10000E+01  402703.0 3770079.8    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL202           0   0.10000E+01  402698.3 3770078.5    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL203           0   0.10000E+01  402693.4 3770077.1    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL204           0   0.10000E+01  402704.7 3770076.7    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL205           0   0.10000E+01  402706.1 3770074.0    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL206           0   0.10000E+01  402707.7 3770071.3    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL207           0   0.10000E+01  402709.6 3770068.5    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL208           0   0.10000E+01  402701.2 3770074.8    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL209           0   0.10000E+01  402702.7 3770071.2    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL210           0   0.10000E+01  402704.7 3770066.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL211           0   0.10000E+01  402696.4 3770073.6    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL212           0   0.10000E+01  402698.2 3770069.1    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL213           0   0.10000E+01  402700.1 3770066.2    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL214           0   0.10000E+01  402711.5 3770064.3    77.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL215           0   0.10000E+01  402706.8 3770063.1    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL216           0   0.10000E+01  402701.9 3770061.7    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL217           0   0.10000E+01  402713.2 3770061.2    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL218           0   0.10000E+01  402714.6 3770058.6    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL219           0   0.10000E+01  402716.2 3770055.9    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL220           0   0.10000E+01  402718.0 3770053.1    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL221           0   0.10000E+01  402709.7 3770059.3    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL222           0   0.10000E+01  402711.2 3770055.8    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL223           0   0.10000E+01  402704.9 3770058.1    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL224           0   0.10000E+01  402706.7 3770053.6    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL225           0   0.10000E+01  402713.1 3770050.9    77.9     5.00     1.14
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1.40     YES   HRDOW             NO
 VOL226          0   0.10000E+01  402708.1 3770050.8    78.0     5.00     1.14
1.40     YES   HRDOW             NO
 VOL227          0   0.10000E+01  402719.8 3770051.1    77.8     5.00     1.14
1.40     YES   HRDOW             NO
 VOL228          0   0.10000E+01  402722.4 3770048.5    77.8     5.00     1.14
1.40     YES   HRDOW             NO
 VOL229          0   0.10000E+01  402724.2 3770046.4    77.8     5.00     1.14
1.40     YES   HRDOW             NO
 VOL230          0   0.10000E+01  402726.1 3770044.2    77.8     5.00     1.14
1.40     YES   HRDOW             NO
 VOL231          0   0.10000E+01  402728.1 3770041.7    77.7     5.00     1.14
1.40     YES   HRDOW             NO
 VOL232          0   0.10000E+01  402717.9 3770048.1    77.9     5.00     1.14
1.40     YES   HRDOW             NO
 VOL233          0   0.10000E+01  402710.9 3770046.0    78.1     5.00     1.14
1.40     YES   HRDOW             NO
 VOL234          0   0.10000E+01  402715.9 3770045.9    78.0     5.00     1.14
1.40     YES   HRDOW             NO
 VOL235          0   0.10000E+01  402720.8 3770043.2    77.9     5.00     1.14
1.40     YES   HRDOW             NO
 VOL236          0   0.10000E+01  402715.7 3770041.2    78.1     5.00     1.14
1.40     YES   HRDOW             NO
 VOL237          0   0.10000E+01  402730.8 3770040.3    77.7     5.00     1.14
1.40     YES   HRDOW             NO
 VOL238          0   0.10000E+01  402719.4 3770038.3    78.1     5.00     1.14
1.40     YES   HRDOW             NO
 VOL239          0   0.10000E+01  402724.3 3770039.2    77.9     5.00     1.14
1.40     YES   HRDOW             NO
 VOL240          0   0.10000E+01  402721.7 3770034.6    78.1     5.00     1.14
1.40     YES   HRDOW             NO
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                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY
SZ      SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)              BY
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 VOL241           0   0.10000E+01  402726.6 3770036.7    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL242           0   0.10000E+01  402732.3 3770037.6    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL243           0   0.10000E+01  402734.7 3770035.3    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL244           0   0.10000E+01  402737.8 3770032.8    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL245           0   0.10000E+01  402740.5 3770030.1    77.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL246           0   0.10000E+01  402743.0 3770027.2    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL247           0   0.10000E+01  402745.8 3770024.4    77.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL248           0   0.10000E+01  402748.2 3770021.9    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL249           0   0.10000E+01  402750.2 3770019.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL250           0   0.10000E+01  402753.3 3770016.9    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL251           0   0.10000E+01  402756.6 3770014.2    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL252           0   0.10000E+01  402729.7 3770033.0    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL253           0   0.10000E+01  402732.8 3770030.4    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL254           0   0.10000E+01  402735.5 3770027.8    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL255           0   0.10000E+01  402738.0 3770024.8    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL256           0   0.10000E+01  402740.7 3770022.1    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL257           0   0.10000E+01  402743.1 3770019.5    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL258           0   0.10000E+01  402745.2 3770017.0    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL259           0   0.10000E+01  402748.3 3770014.5    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL260           0   0.10000E+01  402751.6 3770011.8    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL261           0   0.10000E+01  402724.6 3770031.7    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL262           0   0.10000E+01  402727.7 3770029.2    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL263           0   0.10000E+01  402730.4 3770026.5    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL264           0   0.10000E+01  402732.9 3770023.5    78.0     5.00     1.14
1.40     YES   HRDOW            NO
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 VOL265           0   0.10000E+01  402735.6 3770020.8    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL266           0   0.10000E+01  402738.0 3770018.2    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL267           0   0.10000E+01  402740.1 3770015.7    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL268           0   0.10000E+01  402743.2 3770013.3    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL269           0   0.10000E+01  402746.5 3770010.5    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL270           0   0.10000E+01  402758.4 3770012.5    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL271           0   0.10000E+01  402761.5 3770010.0    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL272           0   0.10000E+01  402764.2 3770008.0    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL273           0   0.10000E+01  402766.8 3770006.0    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL274           0   0.10000E+01  402770.4 3770003.6    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL275           0   0.10000E+01  402774.2 3770001.2    77.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL276           0   0.10000E+01  402779.1 3769999.8    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL277           0   0.10000E+01  402753.4 3770010.0    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL278           0   0.10000E+01  402756.5 3770007.5    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL279           0   0.10000E+01  402759.2 3770005.5    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL280           0   0.10000E+01  402761.8 3770003.5    77.8     5.00     1.14
1.40     YES   HRDOW            NO
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE                     BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.              (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
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VOL281	0	0.10000E+01	402765.4	3770001.1	77.9	5.00	1.14	1.40	YES	HRDOW	NO
VOL282	0	0.10000E+01	402769.2	3769998.7	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL283	0	0.10000E+01	402774.1	3769997.3	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL284	0	0.10000E+01	402748.5	3770007.8	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL285	0	0.10000E+01	402751.6	3770005.3	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL286	0	0.10000E+01	402754.3	3770003.3	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL287	0	0.10000E+01	402756.9	3770001.3	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL288	0	0.10000E+01	402760.6	3769998.9	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL289	0	0.10000E+01	402764.3	3769996.5	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL290	0	0.10000E+01	402769.2	3769995.1	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL291	0	0.10000E+01	402770.7	3769991.9	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL292	0	0.10000E+01	402784.1	3769999.5	77.8	5.00	1.14	1.40	YES	HRDOW	NO
VOL293	0	0.10000E+01	402775.8	3769992.3	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL294	0	0.10000E+01	402779.1	3769994.8	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL295	0	0.10000E+01	402779.1	3769990.0	78.3	5.00	1.14	1.40	YES	HRDOW	NO
VOL296	0	0.10000E+01	402784.0	3769989.6	78.3	5.00	1.14	1.40	YES	HRDOW	NO
VOL297	0	0.10000E+01	402784.0	3769994.5	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL298	0	0.10000E+01	402789.0	3769999.4	77.8	5.00	1.14	1.40	YES	HRDOW	NO
VOL299	0	0.10000E+01	402788.9	3769989.5	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL300	0	0.10000E+01	402788.9	3769994.4	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL301	0	0.10000E+01	402794.0	3769998.7	77.8	5.00	1.14	1.40	YES	HRDOW	NO
VOL302	0	0.10000E+01	402794.0	3769988.9	78.3	5.00	1.14	1.40	YES	HRDOW	NO
VOL303	0	0.10000E+01	402794.0	3769993.7	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL304	0	0.10000E+01	402799.1	3769998.1	77.9	5.00	1.14				

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1.40     YES   HRDOW            NO
 VOL305           0   0.10000E+01  402799.0 3769988.2    78.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL306           0   0.10000E+01  402799.0 3769993.0    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL307           0   0.10000E+01  402804.2 3769997.8    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL308           0   0.10000E+01  402804.1 3769987.9    78.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL309           0   0.10000E+01  402804.1 3769992.8    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL310           0   0.10000E+01  402809.3 3769997.4    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL311           0   0.10000E+01  402809.2 3769987.5    78.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL312           0   0.10000E+01  402809.2 3769992.4    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL313           0   0.10000E+01  402814.3 3769997.0    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL314           0   0.10000E+01  402814.2 3769987.1    78.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL315           0   0.10000E+01  402814.2 3769991.9    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL316           0   0.10000E+01  402819.4 3769997.0    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL317           0   0.10000E+01  402819.3 3769987.2    78.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL318           0   0.10000E+01  402819.3 3769992.0    78.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL319           0   0.10000E+01  402824.3 3769997.0    77.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL320           0   0.10000E+01  402824.2 3769987.1    78.4     5.00     1.14
1.40     YES   HRDOW            NO
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

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VOL321	0	0.10000E+01	402824.2	3769992.0	78.1	5.00	1.14	1.40	YES	HRDOW	NO
VOL322	0	0.10000E+01	402829.4	3769997.0	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL323	0	0.10000E+01	402829.3	3769987.1	78.4	5.00	1.14	1.40	YES	HRDOW	NO
VOL324	0	0.10000E+01	402829.3	3769991.9	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL325	0	0.10000E+01	402834.4	3769997.1	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL326	0	0.10000E+01	402834.3	3769987.2	78.4	5.00	1.14	1.40	YES	HRDOW	NO
VOL327	0	0.10000E+01	402834.3	3769992.1	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL328	0	0.10000E+01	402839.3	3769997.1	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL329	0	0.10000E+01	402839.2	3769987.3	78.4	5.00	1.14	1.40	YES	HRDOW	NO
VOL330	0	0.10000E+01	402839.2	3769992.1	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL331	0	0.10000E+01	402844.3	3769997.1	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL332	0	0.10000E+01	402844.3	3769987.2	78.4	5.00	1.14	1.40	YES	HRDOW	NO
VOL333	0	0.10000E+01	402844.3	3769992.1	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL334	0	0.10000E+01	402849.4	3769997.6	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL335	0	0.10000E+01	402849.3	3769987.8	78.4	5.00	1.14	1.40	YES	HRDOW	NO
VOL336	0	0.10000E+01	402849.3	3769992.6	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL337	0	0.10000E+01	402854.3	3769998.2	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL338	0	0.10000E+01	402854.2	3769988.3	78.4	5.00	1.14	1.40	YES	HRDOW	NO
VOL339	0	0.10000E+01	402854.2	3769993.2	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL340	0	0.10000E+01	402859.4	3769998.4	78.0	5.00	1.14	1.40	YES	HRDOW	NO
VOL341	0	0.10000E+01	402859.3	3769988.6	78.5	5.00	1.14	1.40	YES	HRDOW	NO
VOL342	0	0.10000E+01	402859.3	3769993.4	78.2	5.00	1.14	1.40	YES	HRDOW	NO
VOL343	0	0.10000E+01	402864.4	3769998.8	78.0	5.00	1.14	1.40	YES	HRDOW	NO

```
 VOL344           0   0.10000E+01  402864.4 3769988.9    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL345           0   0.10000E+01  402864.4 3769993.8    78.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL346           0   0.10000E+01  402869.5 3769999.5    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL347           0   0.10000E+01  402869.4 3769989.7    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL348           0   0.10000E+01  402869.4 3769994.5    78.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL349           0   0.10000E+01  402874.6 3769999.9    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL350           0   0.10000E+01  402874.5 3769990.1    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL351           0   0.10000E+01  402874.5 3769994.9    78.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL352           0   0.10000E+01  402879.8 3770000.6    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL353           0   0.10000E+01  402879.7 3769990.7    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL354           0   0.10000E+01  402879.7 3769995.6    78.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL355           0   0.10000E+01  402884.8 3770000.7    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL356           0   0.10000E+01  402884.7 3769990.8    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL357           0   0.10000E+01  402884.7 3769995.7    78.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL358           0   0.10000E+01  402889.8 3770000.8    78.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL359           0   0.10000E+01  402889.7 3769990.9    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL360           0   0.10000E+01  402889.7 3769995.8    78.2     5.00     1.14
1.40     YES   HRDOW            NO
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
```

ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
VOL361	0	0.10000E+01	402894.8	3770000.9	78.0	5.00	1.14	1.40	YES	HRDOW
VOL362	0	0.10000E+01	402894.7	3769991.1	78.5	5.00	1.14	1.40	YES	HRDOW
VOL363	0	0.10000E+01	402894.7	3769995.9	78.2	5.00	1.14	1.40	YES	HRDOW
VOL364	0	0.10000E+01	402899.8	3770001.1	78.0	5.00	1.14	1.40	YES	HRDOW
VOL365	0	0.10000E+01	402899.7	3769991.3	78.5	5.00	1.14	1.40	YES	HRDOW
VOL366	0	0.10000E+01	402899.7	3769996.1	78.2	5.00	1.14	1.40	YES	HRDOW
VOL367	0	0.10000E+01	402904.7	3770001.3	78.0	5.00	1.14	1.40	YES	HRDOW
VOL368	0	0.10000E+01	402904.6	3769991.5	78.5	5.00	1.14	1.40	YES	HRDOW
VOL369	0	0.10000E+01	402904.6	3769996.3	78.2	5.00	1.14	1.40	YES	HRDOW
VOL370	0	0.10000E+01	402909.6	3770001.4	78.0	5.00	1.14	1.40	YES	HRDOW
VOL371	0	0.10000E+01	402909.5	3769991.5	78.5	5.00	1.14	1.40	YES	HRDOW
VOL372	0	0.10000E+01	402909.5	3769996.4	78.3	5.00	1.14	1.40	YES	HRDOW
VOL373	0	0.10000E+01	402914.6	3770001.3	78.0	5.00	1.14	1.40	YES	HRDOW
VOL374	0	0.10000E+01	402914.6	3769991.4	78.5	5.00	1.14	1.40	YES	HRDOW
VOL375	0	0.10000E+01	402914.6	3769996.3	78.3	5.00	1.14	1.40	YES	HRDOW
VOL376	0	0.10000E+01	402919.7	3770001.8	78.1	5.00	1.14	1.40	YES	HRDOW
VOL377	0	0.10000E+01	402919.6	3769991.9	78.5	5.00	1.14	1.40	YES	HRDOW
VOL378	0	0.10000E+01	402919.6	3769996.7	78.3	5.00	1.14	1.40	YES	HRDOW
VOL379	0	0.10000E+01	402924.8	3770002.0	78.1	5.00	1.14	1.40	YES	HRDOW
VOL380	0	0.10000E+01	402924.7	3769992.2	78.5	5.00	1.14	1.40	YES	HRDOW
VOL381	0	0.10000E+01	402924.7	3769997.0	78.3	5.00	1.14	1.40	YES	HRDOW
VOL382	0	0.10000E+01	402929.8	3770002.1	78.1	5.00	1.14	1.40	YES	HRDOW
VOL383	0	0.10000E+01	402929.8	3769992.3	78.6	5.00	1.14			

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1.40     YES   HRDOW            NO
 VOL384           0   0.10000E+01  402929.8 3769997.1    78.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL385           0   0.10000E+01  402934.9 3770002.0    78.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL386           0   0.10000E+01  402934.8 3769992.1    78.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL387           0   0.10000E+01  402934.8 3769997.0    78.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL388           0   0.10000E+01  402940.0 3770002.2    78.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL389           0   0.10000E+01  402940.0 3769992.4    78.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL390           0   0.10000E+01  402940.0 3769997.2    78.4     5.00     1.14
1.40     YES   HRDOW            NO
 VOL391           0   0.10000E+01  402945.1 3770002.4    78.3     5.00     1.14
1.40     YES   HRDOW            NO
 VOL392           0   0.10000E+01  402945.0 3769992.5    78.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL393           0   0.10000E+01  402945.0 3769997.3    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL394           0   0.10000E+01  402950.1 3770002.5    78.5     5.00     1.14
1.40     YES   HRDOW            NO
 VOL395           0   0.10000E+01  402950.0 3769992.6    78.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL396           0   0.10000E+01  402950.0 3769997.5    78.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL397           0   0.10000E+01  402955.2 3770002.7    78.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL398           0   0.10000E+01  402955.1 3769992.9    78.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL399           0   0.10000E+01  402955.1 3769997.7    78.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL400           0   0.10000E+01  402960.3 3770002.9    78.7     5.00     1.14
1.40     YES   HRDOW            NO
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 VOL401           0   0.10000E+01  402960.2 3769993.0    79.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL402           0   0.10000E+01  402960.2 3769997.8    78.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL403           0   0.10000E+01  402962.8 3770002.9    78.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL404           0   0.10000E+01  402963.1 3769997.9    78.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL405           0   0.10000E+01  402963.0 3769992.9    79.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL406           0   0.10000E+01  402963.0 3769987.9    79.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL407           0   0.10000E+01  402957.9 3769987.9    79.2     5.00     1.14
1.40     YES   HRDOW            NO
 VOL408           0   0.10000E+01  402952.9 3769987.9    79.1     5.00     1.14
1.40     YES   HRDOW            NO
 VOL409           0   0.10000E+01  402948.0 3769988.0    79.0     5.00     1.14
1.40     YES   HRDOW            NO
 VOL410           0   0.10000E+01  402943.2 3769988.2    78.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL411           0   0.10000E+01  402938.2 3769988.1    78.9     5.00     1.14
1.40     YES   HRDOW            NO
 VOL412           0   0.10000E+01  402933.1 3769988.1    78.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL413           0   0.10000E+01  402928.2 3769988.3    78.8     5.00     1.14
1.40     YES   HRDOW            NO
 VOL414           0   0.10000E+01  402923.2 3769988.5    78.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL415           0   0.10000E+01  402918.1 3769988.6    78.7     5.00     1.14
1.40     YES   HRDOW            NO
 VOL416           0   0.10000E+01  402913.2 3769988.6    78.6     5.00     1.14
1.40     YES   HRDOW            NO
 VOL417           0   0.10000E+01  402908.2 3769988.8    78.6     5.00     1.14
1.40     YES   HRDOW            NO
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	OF VERTS.	INIT. SZ SOURCE SCALAR VARY BY	URBAN SOURCE	EMISSION RATE AIRCRAFT
PAREA1	0	0.12363E-03	402491.7	3770267.0	77.0	0.00	70	1.00	YES	NO

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
DUST	PAREA1 ,
EXHUAST	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 ,
	VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 ,
	VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 ,
	VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL32 ,
	VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 ,
	VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,

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             VOL49       , VOL50       , VOL51       , VOL52       , VOL53       ,
VOL54       , VOL55       , VOL56       ,

             VOL57       , VOL58       , VOL59       , VOL60       , VOL61       ,
VOL62       , VOL63       , VOL64       ,

             VOL65       , VOL66       , VOL67       , VOL68       , VOL69       ,
VOL70       , VOL71       , VOL72       ,

             VOL73       , VOL74       , VOL75       , VOL76       , VOL77       ,
VOL78       , VOL79       , VOL80       ,

             VOL81       , VOL82       , VOL83       , VOL84       , VOL85       ,
VOL86       , VOL87       , VOL88       ,

             VOL89       , VOL90       , VOL91       , VOL92       , VOL93       ,
VOL94       , VOL95       , VOL96       ,

             VOL97       , VOL98       , VOL99       , VOL100      , VOL101      ,
VOL102      , VOL103      , VOL104      ,

             VOL105      , VOL106      , VOL107      , VOL108      , VOL109      ,
VOL110      , VOL111      , VOL112      ,

             VOL113      , VOL114      , VOL115      , VOL116      , VOL117      ,
VOL118      , VOL119      , VOL120      ,

             VOL121      , VOL122      , VOL123      , VOL124      , VOL125      ,
VOL126      , VOL127      , VOL128      ,

             VOL129      , VOL130      , VOL131      , VOL132      , VOL133      ,
VOL134      , VOL135      , VOL136      ,

             VOL137      , VOL138      , VOL139      , VOL140      , VOL141      ,
VOL142      , VOL143      , VOL144      ,

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VOL150      , VOL151      , VOL152      ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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SRCGROUP ID	SOURCE IDs
	VOL153 , VOL154 , VOL155 , VOL156 , VOL157 , VOL158 , VOL159 , VOL160 ,
	VOL161 , VOL162 , VOL163 , VOL164 , VOL165 , VOL166 , VOL167 , VOL168 ,
	VOL169 , VOL170 , VOL171 , VOL172 , VOL173 , VOL174 , VOL175 , VOL176 ,
	VOL177 , VOL178 , VOL179 , VOL180 , VOL181 , VOL182 , VOL183 , VOL184 ,
	VOL185 , VOL186 , VOL187 , VOL188 , VOL189 , VOL190 , VOL191 , VOL192 ,
	VOL193 , VOL194 , VOL195 , VOL196 , VOL197 , VOL198 , VOL199 , VOL200 ,
	VOL201 , VOL202 , VOL203 , VOL204 , VOL205 , VOL206 , VOL207 , VOL208 ,
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	VOL217 , VOL218 , VOL219 , VOL220 , VOL221 , VOL222 , VOL223 , VOL224 ,
	VOL225 , VOL226 , VOL227 , VOL228 , VOL229 , VOL230 , VOL231 , VOL232 ,
	VOL233 , VOL234 , VOL235 , VOL236 , VOL237 , VOL238 , VOL239 , VOL240 ,
	VOL241 , VOL242 , VOL243 , VOL244 , VOL245 , VOL246 , VOL247 , VOL248 ,
	VOL249 , VOL250 , VOL251 , VOL252 , VOL253 , VOL254 , VOL255 , VOL256 ,
	VOL257 , VOL258 , VOL259 , VOL260 , VOL261 , VOL262 , VOL263 , VOL264 ,
	VOL265 , VOL266 , VOL267 , VOL268 , VOL269 , VOL270 , VOL271 , VOL272 ,

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             VOL273      , VOL274      , VOL275      , VOL276      , VOL277      ,
VOL278       , VOL279      , VOL280      ,

             VOL281      , VOL282      , VOL283      , VOL284      , VOL285      ,
VOL286       , VOL287      , VOL288      ,

             VOL289      , VOL290      , VOL291      , VOL292      , VOL293      ,
VOL294       , VOL295      , VOL296      ,

             VOL297      , VOL298      , VOL299      , VOL300      , VOL301      ,
VOL302       , VOL303      , VOL304      ,

             VOL305      , VOL306      , VOL307      , VOL308      , VOL309      ,
VOL310       , VOL311      , VOL312      ,
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                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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 SRCGROUP ID                                          SOURCE IDs
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VOL318       , VOL319      , VOL320      ,

             VOL321      , VOL322      , VOL323      , VOL324      , VOL325      ,
VOL326       , VOL327      , VOL328      ,

             VOL329      , VOL330      , VOL331      , VOL332      , VOL333      ,
VOL334       , VOL335      , VOL336      ,

             VOL337      , VOL338      , VOL339      , VOL340      , VOL341      ,
VOL342       , VOL343      , VOL344      ,

             VOL345      , VOL346      , VOL347      , VOL348      , VOL349      ,
VOL350       , VOL351      , VOL352      ,

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VOL358       , VOL359      , VOL360      ,

             VOL361      , VOL362      , VOL363      , VOL364      , VOL365      ,
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VOL366      , VOL367      , VOL368      ,

             VOL369      , VOL370      , VOL371      , VOL372      , VOL373      ,
VOL374      , VOL375      , VOL376      ,

             VOL377      , VOL378      , VOL379      , VOL380      , VOL381      ,
VOL382      , VOL383      , VOL384      ,

             VOL385      , VOL386      , VOL387      , VOL388      , VOL389      ,
VOL390      , VOL391      , VOL392      ,

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VOL398      , VOL399      , VOL400      ,

             VOL401      , VOL402      , VOL403      , VOL404      , VOL405      ,
VOL406      , VOL407      , VOL408      ,

             VOL409      , VOL410      , VOL411      , VOL412      , VOL413      ,
VOL414      , VOL415      , VOL416      ,

             VOL417      ,

  ALL        VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
VOL6        , VOL7        , VOL8        ,

             VOL9        , VOL10       , VOL11       , VOL12       , VOL13       ,
VOL14       , VOL15       , VOL16       ,

             VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
VOL22       , VOL23       , VOL24       ,

             VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
VOL30       , VOL31       , VOL32       ,

             VOL33       , VOL34       , VOL35       , VOL36       , VOL37       ,
VOL38       , VOL39       , VOL40       ,

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VOL46       , VOL47       , VOL48       ,
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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SRCGROUP ID	SOURCE IDs
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	VOL57 , VOL58 , VOL59 , VOL60 , VOL61 , VOL62 , VOL63 , VOL64 ,
	VOL65 , VOL66 , VOL67 , VOL68 , VOL69 , VOL70 , VOL71 , VOL72 ,
	VOL73 , VOL74 , VOL75 , VOL76 , VOL77 , VOL78 , VOL79 , VOL80 ,
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	VOL105 , VOL106 , VOL107 , VOL108 , VOL109 , VOL110 , VOL111 , VOL112 ,
	VOL113 , VOL114 , VOL115 , VOL116 , VOL117 , VOL118 , VOL119 , VOL120 ,
	VOL121 , VOL122 , VOL123 , VOL124 , VOL125 , VOL126 , VOL127 , VOL128 ,
	VOL129 , VOL130 , VOL131 , VOL132 , VOL133 , VOL134 , VOL135 , VOL136 ,
	VOL137 , VOL138 , VOL139 , VOL140 , VOL141 , VOL142 , VOL143 , VOL144 ,
	VOL145 , VOL146 , VOL147 , VOL148 , VOL149 , VOL150 , VOL151 , VOL152 ,
	VOL153 , VOL154 , VOL155 , VOL156 , VOL157 , VOL158 , VOL159 , VOL160 ,
	VOL161 , VOL162 , VOL163 , VOL164 , VOL165 , VOL166 , VOL167 , VOL168 ,

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             VOL169      , VOL170      , VOL171      , VOL172      , VOL173      ,
VOL174       , VOL175      , VOL176      ,

             VOL177      , VOL178      , VOL179      , VOL180      , VOL181      ,
VOL182       , VOL183      , VOL184      ,

             VOL185      , VOL186      , VOL187      , VOL188      , VOL189      ,
VOL190       , VOL191      , VOL192      ,

             VOL193      , VOL194      , VOL195      , VOL196      , VOL197      ,
VOL198       , VOL199      , VOL200      ,

             VOL201      , VOL202      , VOL203      , VOL204      , VOL205      ,
VOL206       , VOL207      , VOL208      ,
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                                          *** SOURCE IDs DEFINING SOURCE GROUPS
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 SRCGROUP ID                                          SOURCE IDs
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             VOL209      , VOL210      , VOL211      , VOL212      , VOL213      ,
VOL214       , VOL215      , VOL216      ,

             VOL217      , VOL218      , VOL219      , VOL220      , VOL221      ,
VOL222       , VOL223      , VOL224      ,

             VOL225      , VOL226      , VOL227      , VOL228      , VOL229      ,
VOL230       , VOL231      , VOL232      ,

             VOL233      , VOL234      , VOL235      , VOL236      , VOL237      ,
VOL238       , VOL239      , VOL240      ,

             VOL241      , VOL242      , VOL243      , VOL244      , VOL245      ,
VOL246       , VOL247      , VOL248      ,

             VOL249      , VOL250      , VOL251      , VOL252      , VOL253      ,
VOL254       , VOL255      , VOL256      ,
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             VOL257      , VOL258      , VOL259      , VOL260      , VOL261      ,
VOL262       , VOL263      , VOL264      ,

             VOL265      , VOL266      , VOL267      , VOL268      , VOL269      ,
VOL270       , VOL271      , VOL272      ,

             VOL273      , VOL274      , VOL275      , VOL276      , VOL277      ,
VOL278       , VOL279      , VOL280      ,

             VOL281      , VOL282      , VOL283      , VOL284      , VOL285      ,
VOL286       , VOL287      , VOL288      ,

             VOL289      , VOL290      , VOL291      , VOL292      , VOL293      ,
VOL294       , VOL295      , VOL296      ,

             VOL297      , VOL298      , VOL299      , VOL300      , VOL301      ,
VOL302       , VOL303      , VOL304      ,

             VOL305      , VOL306      , VOL307      , VOL308      , VOL309      ,
VOL310       , VOL311      , VOL312      ,

             VOL313      , VOL314      , VOL315      , VOL316      , VOL317      ,
VOL318       , VOL319      , VOL320      ,

             VOL321      , VOL322      , VOL323      , VOL324      , VOL325      ,
VOL326       , VOL327      , VOL328      ,

             VOL329      , VOL330      , VOL331      , VOL332      , VOL333      ,
VOL334       , VOL335      , VOL336      ,

             VOL337      , VOL338      , VOL339      , VOL340      , VOL341      ,
VOL342       , VOL343      , VOL344      ,

             VOL345      , VOL346      , VOL347      , VOL348      , VOL349      ,
VOL350       , VOL351      , VOL352      ,

             VOL353      , VOL354      , VOL355      , VOL356      , VOL357      ,
VOL358       , VOL359      , VOL360      ,

             VOL361      , VOL362      , VOL363      , VOL364      , VOL365      ,
VOL366       , VOL367      , VOL368      ,
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*** SOURCE IDs DEFINING SOURCE GROUPS
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SRCGROUP ID	SOURCE IDs
	VOL369 , VOL370 , VOL371 , VOL372 , VOL373 , VOL374 , VOL375 , VOL376 ,
	VOL377 , VOL378 , VOL379 , VOL380 , VOL381 , VOL382 , VOL383 , VOL384 ,
	VOL385 , VOL386 , VOL387 , VOL388 , VOL389 , VOL390 , VOL391 , VOL392 ,
	VOL393 , VOL394 , VOL395 , VOL396 , VOL397 , VOL398 , VOL399 , VOL400 ,
	VOL401 , VOL402 , VOL403 , VOL404 , VOL405 , VOL406 , VOL407 , VOL408 ,
	VOL409 , VOL410 , VOL411 , VOL412 , VOL413 , VOL414 , VOL415 , VOL416 ,
	VOL417 , PAREA1 ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs
	9663345.	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 ,
		VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 ,

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            VOL17       , VOL18       , VOL19       , VOL20       , VOL21       ,
VOL22       , VOL23       , VOL24       ,

            VOL25       , VOL26       , VOL27       , VOL28       , VOL29       ,
VOL30       , VOL31       , VOL32       ,

            VOL33       , VOL34       , VOL35       , VOL36       , VOL37       ,
VOL38       , VOL39       , VOL40       ,

            VOL41       , VOL42       , VOL43       , VOL44       , VOL45       ,
VOL46       , VOL47       , VOL48       ,

            VOL49       , VOL50       , VOL51       , VOL52       , VOL53       ,
VOL54       , VOL55       , VOL56       ,

            VOL57       , VOL58       , VOL59       , VOL60       , VOL61       ,
VOL62       , VOL63       , VOL64       ,

            VOL65       , VOL66       , VOL67       , VOL68       , VOL69       ,
VOL70       , VOL71       , VOL72       ,

            VOL73       , VOL74       , VOL75       , VOL76       , VOL77       ,
VOL78       , VOL79       , VOL80       ,

            VOL81       , VOL82       , VOL83       , VOL84       , VOL85       ,
VOL86       , VOL87       , VOL88       ,

            VOL89       , VOL90       , VOL91       , VOL92       , VOL93       ,
VOL94       , VOL95       , VOL96       ,

            VOL97       , VOL98       , VOL99       , VOL100      , VOL101      ,
VOL102      , VOL103      , VOL104      ,

            VOL105      , VOL106      , VOL107      , VOL108      , VOL109      ,
VOL110      , VOL111      , VOL112      ,

            VOL113      , VOL114      , VOL115      , VOL116      , VOL117      ,
VOL118      , VOL119      , VOL120      ,

            VOL121      , VOL122      , VOL123      , VOL124      , VOL125      ,
VOL126      , VOL127      , VOL128      ,

            VOL129      , VOL130      , VOL131      , VOL132      , VOL133      ,
VOL134      , VOL135      , VOL136      ,

            VOL137      , VOL138      , VOL139      , VOL140      , VOL141      ,
VOL142      , VOL143      , VOL144      ,

            VOL145      , VOL146      , VOL147      , VOL148      , VOL149      ,
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VOL150 , VOL151 , VOL152 ,

VOL153 , VOL154 , VOL155 , VOL156 , VOL157 ,
VOL158 , VOL159 , VOL160 ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES
***

URBAN ID	URBAN POP	SOURCE IDs

VOL161 , VOL162 , VOL163 , VOL164 , VOL165 ,
VOL166 , VOL167 , VOL168 ,

VOL169 , VOL170 , VOL171 , VOL172 , VOL173 ,
VOL174 , VOL175 , VOL176 ,

VOL177 , VOL178 , VOL179 , VOL180 , VOL181 ,
VOL182 , VOL183 , VOL184 ,

VOL185 , VOL186 , VOL187 , VOL188 , VOL189 ,
VOL190 , VOL191 , VOL192 ,

VOL193 , VOL194 , VOL195 , VOL196 , VOL197 ,
VOL198 , VOL199 , VOL200 ,

VOL201 , VOL202 , VOL203 , VOL204 , VOL205 ,
VOL206 , VOL207 , VOL208 ,

VOL209 , VOL210 , VOL211 , VOL212 , VOL213 ,
VOL214 , VOL215 , VOL216 ,

VOL217 , VOL218 , VOL219 , VOL220 , VOL221 ,
VOL222 , VOL223 , VOL224 ,

VOL225 , VOL226 , VOL227 , VOL228 , VOL229 ,
VOL230 , VOL231 , VOL232 ,

VOL233 , VOL234 , VOL235 , VOL236 , VOL237 ,
VOL238 , VOL239 , VOL240 ,

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             VOL241      , VOL242      , VOL243      , VOL244      , VOL245      ,
VOL246       , VOL247      , VOL248      ,

             VOL249      , VOL250      , VOL251      , VOL252      , VOL253      ,
VOL254       , VOL255      , VOL256      ,

             VOL257      , VOL258      , VOL259      , VOL260      , VOL261      ,
VOL262       , VOL263      , VOL264      ,

             VOL265      , VOL266      , VOL267      , VOL268      , VOL269      ,
VOL270       , VOL271      , VOL272      ,

             VOL273      , VOL274      , VOL275      , VOL276      , VOL277      ,
VOL278       , VOL279      , VOL280      ,

             VOL281      , VOL282      , VOL283      , VOL284      , VOL285      ,
VOL286       , VOL287      , VOL288      ,

             VOL289      , VOL290      , VOL291      , VOL292      , VOL293      ,
VOL294       , VOL295      , VOL296      ,

             VOL297      , VOL298      , VOL299      , VOL300      , VOL301      ,
VOL302       , VOL303      , VOL304      ,

             VOL305      , VOL306      , VOL307      , VOL308      , VOL309      ,
VOL310       , VOL311      , VOL312      ,

             VOL313      , VOL314      , VOL315      , VOL316      , VOL317      ,
VOL318       , VOL319      , VOL320      ,
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***       10:17:50

                                  PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                  SOURCE IDs
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             VOL321      , VOL322      , VOL323      , VOL324      , VOL325      ,
VOL326       , VOL327      , VOL328      ,
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             VOL329      , VOL330      , VOL331      , VOL332      , VOL333      ,
VOL334       , VOL335      , VOL336      ,

             VOL337      , VOL338      , VOL339      , VOL340      , VOL341      ,
VOL342       , VOL343      , VOL344      ,

             VOL345      , VOL346      , VOL347      , VOL348      , VOL349      ,
VOL350       , VOL351      , VOL352      ,

             VOL353      , VOL354      , VOL355      , VOL356      , VOL357      ,
VOL358       , VOL359      , VOL360      ,

             VOL361      , VOL362      , VOL363      , VOL364      , VOL365      ,
VOL366       , VOL367      , VOL368      ,

             VOL369      , VOL370      , VOL371      , VOL372      , VOL373      ,
VOL374       , VOL375      , VOL376      ,

             VOL377      , VOL378      , VOL379      , VOL380      , VOL381      ,
VOL382       , VOL383      , VOL384      ,

             VOL385      , VOL386      , VOL387      , VOL388      , VOL389      ,
VOL390       , VOL391      , VOL392      ,

             VOL393      , VOL394      , VOL395      , VOL396      , VOL397      ,
VOL398       , VOL399      , VOL400      ,

             VOL401      , VOL402      , VOL403      , VOL404      , VOL405      ,
VOL406       , VOL407      , VOL408      ,

             VOL409      , VOL410      , VOL411      , VOL412      , VOL413      ,
VOL414       , VOL415      , VOL416      ,

             VOL417      , PAREA1      ,
 *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL3   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL4   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL5   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL7   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL8   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL9          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL10         ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = VOL11   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL13   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL14   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```


* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  41
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                         ***       10:17:50

                                   PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL20        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                         ***       10:17:50
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL21   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL22   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL23        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL24        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL27        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL28   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL29   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL30   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL32   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                            DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL33   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL34        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL35        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = VOL36   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL37   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL38   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL39   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL40        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL41        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL43        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL44        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***       10:17:50

                                  PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL45        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***       10:17:50
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL46   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL47   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL48        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                   PAGE  75
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL54   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL55   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL58   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL59        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL60        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

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                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL61        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL62        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
```

OF WEEK (HRDOW) *

 SOURCE ID = VOL63   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL64   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL65        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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                                   PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL66        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL67        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL68        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL69        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***       10:17:50

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL70        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***       10:17:50
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL71   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL72   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL73        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL74        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL75 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL76 ; SOURCE TYPE = VOLUME :

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

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL77        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL78        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL79   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL80   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL81 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL82   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL83   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL84        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL85        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL86 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL87   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL88   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL89   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL90        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL91        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL92 ; SOURCE TYPE = VOLUME :

```
  HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR
HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```


* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL93 ; SOURCE TYPE = VOLUME :

```
  HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR
HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL94        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL95   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL96   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL97   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL98        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL99        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL100 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL101 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL102       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL103   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL104   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL105   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL106 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL107       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL108   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

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 SOURCE ID = VOL109       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL110       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL111 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL112   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL113   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL114   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL115       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL116       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL117 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL118 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL119       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL120   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL121   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL122   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL123       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL124       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL125 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL126 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL127       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL128   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL129   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL130   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL131 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL132   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL133 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = VOL134       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL135       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL136 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL137   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL138   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL139   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL140       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL141       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL142       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL143       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 166
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL144       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL145   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL146   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL147   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL148       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL149       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL150 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL151 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL152       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL153   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL154   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL155   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL156 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL157   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL158   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL159       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 182
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL160       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL161 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL162   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL163   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL164   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL165       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 188
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL166       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL167       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 190
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL168       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL169       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL170   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL171   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL172   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL173       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 196
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL174       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL175 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL176 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL177       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL178   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL179   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL180   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL181 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL182   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL183   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL184       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL185       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL186 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL187   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL188   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL189   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 212
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL190       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL191   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL192 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL193 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 216
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL194       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL195       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL196   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL197   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 220
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL198       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 221
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL199       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL200 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL201 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL202       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL203   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL204   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL205   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL206 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL207   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL208   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL209       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 232
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL210       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL211 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL212   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL213   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL214   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 237
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL215       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL216 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL217       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL218       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL219       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL220   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL221 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL222 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL223       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 246
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL224       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL225 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL226 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 249
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL227       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 250
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL228       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL229   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL230   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL231 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL232   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL233   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL234       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 257
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL235       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL236 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL237   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL238   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL239   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL240   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 263
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL241       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL242 ; SOURCE TYPE = VOLUME :

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

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL243 ; SOURCE TYPE = VOLUME :

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

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 266
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL244       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL245   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL246   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL247   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL248       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 271
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL249       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL250 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL251 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 274
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL252       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL253   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL254   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL255   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL256   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL257   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL258   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL259       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 282
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL260       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL261 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL262   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL263   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL264   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL265   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
⬘ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 288
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL266       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
⬘ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 289
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL267 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL268 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 291
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL269       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL270   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL271   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL272   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL273       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL274       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL275 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL276 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL277       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL278   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL279   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL280   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

```
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL281       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL282   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL283   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL284       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 307
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL285       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL286 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL287   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL288   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL289   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 312
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL290       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL291   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL292       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL293       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 316
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL294       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL295   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL296   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL297   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 320
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL298       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 321
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL299       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL300 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL301 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 324
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL302       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL303   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL304   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL305   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

```
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```


* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = VOL306       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL307   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                            DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                            DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL308   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL309       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 332
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL310       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL311   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL312   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL313   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL314   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 337
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL315       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL316 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL317 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL318 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL319       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                         ***       10:17:50

                                   PAGE 342
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL320       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                         ***       10:17:50
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL321   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL322   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 345
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL323       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 346
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL324       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL325 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL326 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 349
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL327       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL328   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL329   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL330   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL331 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL332 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL333   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL334       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 357
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL335       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL336   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL337   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL338   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL339   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 362
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL340       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 363
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL341       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 364
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL342       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL343       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 366
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL344       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL345   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL346   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL347   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 370
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL348       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 371
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL349       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL350 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL351 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 374
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL352       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 375
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL353       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL354   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL355   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL356 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL357   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL358   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL359       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 382
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL360       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL361 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL362   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL363   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL364   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL365   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL366   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL367 ; SOURCE TYPE = VOLUME :

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

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL368 ; SOURCE TYPE = VOLUME :

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

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 391
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL369       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                         ***       10:17:50

                                   PAGE 392
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL370       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                         ***       10:17:50
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL371   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL372   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 395
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL373       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

```
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 396
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL374       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL375 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL376 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 399
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL377       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL378   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL379   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL380   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL381 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL382   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL383   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL384       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 407
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL385       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL386 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL387   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL388   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL389   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 412
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL390       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL391   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL392 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL393 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 416
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL394       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL395   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL396   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL397   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 420
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL398       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL399   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL400 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL401 ; SOURCE TYPE = VOLUME :

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

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 424
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL402       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 425
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL403       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 24142  ***   ***
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL404   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL405   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL406 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL407   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL408   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

```
 SOURCE ID = VOL409       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 432
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL410       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL411 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL412   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY

OF WEEK (HRDOW) *

 SOURCE ID = VOL413   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL414   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 437
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL415       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01
14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY
OF WEEK (HRDOW) *

 SOURCE ID = VOL416   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01
14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

SOURCE ID = VOL417 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(402497.3, 3770257.8, 77.1, 77.1, 2.0); (402512.7, 3770236.5, 77.1, 77.1, 2.0);
(402523.1, 3770222.8, 77.1, 77.1, 2.0); (402481.0, 3770248.8, 77.5, 77.5, 2.0);
(402490.1, 3770235.6, 77.7, 77.7, 2.0); (402488.7, 3770239.3, 77.6, 77.6, 2.0);
(402494.7, 3770227.4, 77.7, 77.7, 2.0); (402531.8,

```
3770205.4,      77.2,      77.2,       2.0);
     ( 402511.1, 3770198.1,      77.8,      77.8,       2.0);         ( 402545.9,
3770183.5,      77.2,      77.2,       2.0);
     ( 402518.7, 3770182.5,      77.9,      77.9,       2.0);         ( 402533.0,
3770167.7,      77.8,      77.8,       2.0);
     ( 402560.1, 3770172.5,      77.3,      77.3,       2.0);         ( 402576.2,
3770166.4,      77.2,      77.2,       2.0);
     ( 402546.1, 3770156.2,      77.8,      77.8,       2.0);         ( 402591.8,
3770157.0,      77.3,      77.3,       2.0);
     ( 402604.5, 3770151.1,      77.4,      77.4,       2.0);         ( 402586.6,
3770135.2,      78.3,      78.3,       2.0);
     ( 402649.5, 3770130.0,      77.4,      77.4,       2.0);         ( 402632.4,
3770139.5,      77.4,      77.4,       2.0);
     ( 402662.3, 3770124.0,      77.4,      77.4,       2.0);         ( 402712.4,
3770080.5,      77.4,      77.4,       2.0);
     ( 402688.9, 3770073.6,      78.2,      78.2,       2.0);         ( 402671.7,
3770092.6,      78.1,      78.1,       2.0);
     ( 402702.8, 3770093.4,      77.5,      77.5,       2.0);         ( 402720.4,
3770063.5,      77.5,      77.5,       2.0);
     ( 402729.8, 3770050.3,      77.6,      77.6,       2.0);         ( 402740.0,
3770038.7,      77.5,      77.5,       2.0);
     ( 402704.0, 3770041.1,      78.5,      78.5,       2.0);         ( 402698.4,
3770053.1,      78.3,      78.3,       2.0);
     ( 402749.1, 3770030.3,      77.6,      77.6,       2.0);         ( 402718.0,
3770026.9,      78.4,      78.4,       2.0);
     ( 402733.9, 3770013.0,      78.3,      78.3,       2.0);         ( 402757.6,
3769994.7,      78.3,      78.3,       2.0);
     ( 402779.9, 3770006.8,      77.7,      77.7,       2.0);         ( 402768.7,
3770013.0,      77.7,      77.7,       2.0);
     ( 402805.9, 3770002.5,      77.7,      77.7,       2.0);         ( 402825.3,
3769979.8,      78.7,      78.7,       2.0);
     ( 402823.7, 3770002.4,      77.7,      77.7,       2.0);         ( 402751.4,
3770000.3,      78.2,      78.2,       2.0);
     ( 402957.0, 3770007.7,      78.5,      78.5,       2.0);         ( 402922.8,
3770007.1,      78.0,      78.0,       2.0);
     ( 402906.6, 3770006.6,      77.9,      77.9,       2.0);         ( 402888.5,
3770006.6,      77.9,      77.9,       2.0);
     ( 402871.7, 3770005.5,      77.8,      77.8,       2.0);         ( 402859.4,
3770003.8,      77.8,      77.8,       2.0);
     ( 402913.6, 3769983.2,      78.9,      78.9,       2.0);         ( 402934.0,
3769984.0,      79.0,      79.0,       2.0);
     ( 402881.6, 3769984.2,      78.8,      78.8,       2.0);         ( 402850.1,
3769979.8,      78.8,      78.8,       2.0);
     ( 402841.4, 3770003.6,      77.8,      77.8,       2.0);         ( 402535.8,
3769970.8,      78.5,      78.5,       2.0);
     ( 402371.7, 3770333.4,      77.1,      77.1,       2.0);         ( 402455.6,
3770360.4,      76.8,      76.8,       2.0);
     ( 403550.1, 3770387.5,      84.0,      84.0,       2.0);         ( 402462.2,
3769696.7,      77.1,      77.1,       2.0);
     ( 402666.3, 3769669.6,      78.2,      78.2,       2.0);         ( 402975.2,
```

3769993.9,   79.2,   79.2,   2.0);
     (403001.7, 3769917.7,   80.4,   80.4,   2.0);   (402957.6,
3769914.2,   80.1,   80.1,   2.0);
     (403057.8, 3769969.9,   80.7,   80.7,   2.0);   (403173.8,
3769962.0,   81.2,   81.2,   2.0);
     (403193.5, 3770005.1,   81.3,   81.3,   2.0);   (403310.7,
3770102.6,   81.9,   81.9,   2.0);
     (403420.9, 3770069.9,   82.1,   82.1,   2.0);   (403457.9,
3770104.7,   82.3,   82.3,   2.0);
     (403513.0, 3770069.5,   82.2,   82.2,   2.0);   (403641.0,
3770103.1,   82.6,   82.6,   2.0);
     (403646.9, 3770068.1,   82.5,   82.5,   2.0);   (403707.2,
3770067.3,   82.9,   82.9,   2.0);
     (403730.9, 3770103.4,   83.1,   83.1,   2.0);   (403762.3,
3770107.1,   83.5,   83.5,   2.0);
     (403761.0, 3770043.3,   83.4,   83.4,   2.0);   (403802.8,
3770203.0,   83.6,   83.6,   2.0);

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.
```

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\AZUS_V11_trimmed.sfc
Met Version: 22112
Profile file: ..\AZUS_V11_trimmed.pfl

Surface format: FREE

Profile format: FREE

Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2017 Year: 2017

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
17	01	01	1	01	-11.3	0.154	-9.000	-9.000	-999.	145.	28.6	0.34	0.75	1.00	1.36	97.	10.0	281.4	9.5
17	01	01	1	02	-5.9	0.110	-9.000	-9.000	-999.	88.	20.0	0.29	0.75	1.00	1.05	88.	10.0	281.0	9.5
17	01	01	1	03	-6.6	0.117	-9.000	-9.000	-999.	95.	21.1	0.29	0.75	1.00	1.11	69.	10.0	280.5	9.5
17	01	01	1	04	-6.9	0.119	-9.000	-9.000	-999.	99.	21.7	0.33	0.75	1.00	1.08	132.	10.0	279.8	9.5
17	01	01	1	05	-4.1	0.091	-9.000	-9.000	-999.	66.	16.1	0.17	0.75	1.00	1.00	314.	10.0	279.5	9.5
17	01	01	1	06	-18.0	0.193	-9.000	-9.000	-999.	204.	41.0	0.21	0.75	1.00	1.96	35.	10.0	279.8	9.5
17	01	01	1	07	-10.5	0.147	-9.000	-9.000	-999.	136.	27.0	0.29	0.75						

```
1.00    1.38   80.   10.0  279.6    9.5
 17 01 01   1 08   -6.3  0.118 -9.000 -9.000 -999.   97.     22.9  0.29   0.75
0.55    1.12   74.   10.0  279.4    9.5
 17 01 01   1 09   25.4  0.209  0.420  0.005  103.  230.    -31.8  0.29   0.75
0.32    1.55   70.   10.0  282.2    9.5
 17 01 01   1 10   64.6  0.296  1.020  0.005  581.  386.    -35.4  0.33   0.75
0.25    2.13  126.   10.0  283.6    9.5
 17 01 01   1 11   91.0  0.325  1.350  0.005  956.  444.    -33.2  0.33   0.75
0.22    2.32  130.   10.0  284.1    9.5
 17 01 01   1 12   87.8  0.248  1.393  0.005 1087.  299.    -15.3  0.32   0.75
0.21    1.62  152.   10.0  285.1    9.5
 17 01 01   1 13  103.2  0.182  1.514  0.005 1188.  187.     -5.1  0.33   0.75
0.21    0.97  144.   10.0  286.1    9.5
 17 01 01   1 14   74.8  0.225  1.385  0.005 1256.  255.    -13.4  0.23   0.75
0.22    1.61  214.   10.0  286.9    9.5
 17 01 01   1 15   50.9  0.150  1.233  0.005 1300.  142.     -5.9  0.07   0.75
0.26    1.37  273.   10.0  286.7    9.5
 17 01 01   1 16    1.2  0.122  0.356  0.005 1300.  102.   -130.2  0.23   0.75
0.35    1.08  210.   10.0  286.6    9.5
 17 01 01   1 17  -13.1  0.175 -9.000 -9.000 -999.  176.     36.0  0.32   0.75
0.62    1.55  172.   10.0  286.3    9.5
 17 01 01   1 18  -13.7  0.171 -9.000 -9.000 -999.  169.     32.2  0.32   0.75
1.00    1.53  179.   10.0  285.8    9.5
 17 01 01   1 19   -9.0  0.136 -9.000 -9.000 -999.  121.     24.7  0.23   0.75
1.00    1.38  215.   10.0  285.4    9.5
 17 01 01   1 20   -3.7  0.086 -9.000 -9.000 -999.   61.     14.9  0.12   0.75
1.00    1.03  259.   10.0  285.0    9.5
 17 01 01   1 21   -1.8  0.070 -9.000 -9.000 -999.   44.     16.4  0.16   0.75
1.00    0.58  349.   10.0  284.9    9.5
 17 01 01   1 22   -3.4  0.086 -9.000 -9.000 -999.   61.     16.6  0.29   0.75
1.00    0.78   61.   10.0  284.8    9.5
 17 01 01   1 23  -14.0  0.170 -9.000 -9.000 -999.  168.     31.8  0.21   0.75
1.00    1.74   43.   10.0  284.2    9.5
 17 01 01   1 24  -21.5  0.220 -9.000 -9.000 -999.  248.     53.3  0.21   0.75
1.00    2.22   43.   10.0  283.9    9.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    9.5 0 -999.  -99.00   281.4   99.0  -99.00  -99.00
 17 01 01 01   10.0 1   97.    1.36  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DUST ***
INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
402497.32	3770257.80	1257.08397	(20071106)	402512.72	3770236.55	1069.91925	(21072306)
402523.13	3770222.83	944.38237	(21072306)	402481.02	3770248.83	1114.31807	(18102423)
402490.12	3770235.59	1213.74405	(21052406)	402488.72	3770239.26	1264.37207	(21052406)
402494.66	3770227.43	1205.95926	(18102423)	402531.78	3770205.43	1078.49659	(17061406)
402511.13	3770198.14	1323.70454	(20101805)	402545.89	3770183.49	994.64182	(17061406)
402518.72	3770182.55	1236.28194	(18040403)	402532.95	3770167.73	1292.05711	(18091304)
402560.07	3770172.55	1012.15494	(21052406)	402576.25	3770166.37	942.69258	(17110106)
402546.13	3770156.20	1190.78992	(20092807)	402591.84	3770157.02	1093.41725	(21052406)
402604.48	3770151.08	1148.23785	(17052806)	402586.60	3770135.20	1091.46073	(17062006)
402649.48	3770129.96	1327.46348	(17052806)	402632.43	3770139.49	1145.15295	(17052806)
402662.31	3770123.96	1406.95584	(17052806)	402712.38	3770080.52	1318.13625	(17061406)
402688.91	3770073.62	1161.43066	(18040403)	402671.67	3770092.59	897.36519	(18040403)
402702.80	3770093.36	1477.18703	(20072706)	402720.43	3770063.47	1373.09958	(17061406)
402729.81	3770050.35	1275.72765	(17061406)	402739.97	3770038.66	1301.99502	(17061406)
402704.05	3770041.15	980.73393	(21092103)	402698.39	3770053.12	1093.54826	(18040403)
402749.07	3770030.32	1219.67536	(17061406)	402718.03	3770026.88	1111.43173	(21092103)
402733.93	3770012.99	1377.21097	(20092307)	402757.60	3769994.69	1401.07907	(21110223)

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       402779.92   3770006.76      986.44472  (17052806)                402768.71
 3770012.99     1117.44084  (17061406)
       402805.88   3770002.54     1118.88933  (20092307)                402825.32
 3769979.75     1420.28796  (17061406)
       402823.69   3770002.45     1175.54755  (20092307)                402751.41
 3770000.29     1479.30281  (19082003)
       402956.96   3770007.69     1399.88252  (18061106)                402922.83
 3770007.13     1288.25223  (18061106)
       402906.64   3770006.58     1256.49335  (18061106)                402888.50
 3770006.58     1177.97788  (18061106)
       402871.68   3770005.54     1146.43193  (18061106)                402859.36
 3770003.81     1262.65382  (20092307)
       402913.56   3769983.18     1320.54937  (17061406)                402934.05
 3769984.01     1444.39618  (20072706)
       402881.58   3769984.22     1337.53983  (17061406)                402850.15
 3769979.79     1297.73499  (17061406)
       402841.36   3770003.60     1177.65515  (20092307)                402535.81
 3769970.76      195.31472  (18092106)
       402371.73   3770333.41      290.89806  (20010422)                402455.64
 3770360.45      245.11958  (17051204)
       403550.13   3770387.49       57.59814  (20092223)                402462.16
 3769696.67       77.75003  (20081502)
       402666.33   3769669.63       82.20133  (20110517)                402975.20
 3769993.94     1487.91592  (20080806)
       403001.68   3769917.73      405.21192  (17061406)                402957.59
 3769914.25      384.45764  (17061406)
       403057.77   3769969.95      448.56005  (21073106)                403173.82
 3769962.02      239.32763  (21073106)
       403193.55   3770005.15      194.06302  (18072301)                403310.66
 3770102.56      119.54343  (21061403)
       403420.92   3770069.87       95.81191  (21081504)                403457.86
 3770104.69       91.20908  (21102407)
       403512.99   3770069.48       79.16668  (21091806)                403640.96
 3770103.12       66.14896  (17101107)
       403646.87   3770068.10       68.46899  (19062305)                403707.22
 3770067.28       64.68724  (19062305)
       403730.89   3770103.45       58.89965  (20052706)                403762.30
 3770107.07       57.15340  (20052706)
       403760.98   3770043.27       64.75191  (19062305)                403802.76
 3770202.99       56.27358  (20073102)
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
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 *** AERMET - VERSION  22112 ***   ***
                        ***        10:17:50

                                   PAGE 444
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
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VALUES FOR SOURCE GROUP: EXHUAST ***
                                INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                 VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , VOL13   ,
                 VOL14   , VOL15   , VOL16   , VOL17   , VOL18
 , VOL19   , VOL20   , VOL21   ,
                 VOL22   , VOL23   , VOL24   , VOL25   , VOL26
 , VOL27   , VOL28   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF DPM   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        402497.32   3770257.80   77213.15154 (21122109)   402512.72
 3770236.55   84963.60944 (19121716)
        402523.13   3770222.83   82209.73943 (19121716)   402481.02
 3770248.83   69328.16378 (19020510)
        402490.12   3770235.59   84432.47281 (19121716)   402488.72
 3770239.26   84396.34276 (19121716)
        402494.66   3770227.43   87492.42456 (19121716)   402531.78
 3770205.43   90676.87292 (19121716)
        402511.13   3770198.14   91187.76846 (19121716)   402545.89
 3770183.49   106933.53038 (19121716)
        402518.72   3770182.55   104927.70104 (19120616)   402532.95
 3770167.73   131343.28832 (19120616)
        402560.07   3770172.55   117251.26254 (19121716)   402576.25
 3770166.37   112587.30143 (19121716)
        402546.13   3770156.20   121559.88839 (19120616)   402591.84
 3770157.02   126060.88017 (19121716)
        402604.48   3770151.08   130407.05398 (19121716)   402586.60
 3770135.20   128223.43511 (19121716)
        402649.48   3770129.96   132435.61229 (19121716)   402632.43
 3770139.49   127380.67584 (19121716)
        402662.31   3770123.96   129897.92042 (19121716)   402712.38
 3770080.52   122448.25243 (19121716)
        402688.91   3770073.62   131023.03203 (19121716)   402671.67
 3770092.59   124766.46325 (19121716)
        402702.80   3770093.36   130834.08997 (19121716)   402720.43
 3770063.47   131151.21060 (19121716)
        402729.81   3770050.35   133918.62969 (19121716)   402739.97
 3770038.66   136508.25928 (19121716)
        402704.05   3770041.15   113934.97514 (19120616)   402698.39
 3770053.12   116661.41078 (19121716)

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       402749.07   3770030.32   133623.09908  (19121716)               402718.03
 3770026.88   123255.05774  (19120616)
       402733.93   3770012.99   128982.29270  (19120616)               402757.60
 3769994.69   123795.73968  (19121716)
       402779.92   3770006.76   123596.61014  (19121716)               402768.71
 3770012.99   130765.57702  (19121716)
       402805.88   3770002.54   110967.03345  (19121716)               402825.32
 3769979.75    95377.33108  (19121716)
       402823.69   3770002.45   106862.19551  (19121716)               402751.41
 3770000.29   134119.07103  (19121716)
       402956.96   3770007.69   108006.71254  (18111916)               402922.83
 3770007.13   113768.49098  (19121716)
       402906.64   3770006.58   112336.90480  (19121716)               402888.50
 3770006.58   104919.57702  (19121716)
       402871.68   3770005.54   102644.32987  (19121716)               402859.36
 3770003.81   104883.90079  (19121716)
       402913.56   3769983.18   112502.59534  (19121716)               402934.05
 3769984.01   116357.03901  (19121716)
       402881.58   3769984.22   102222.58435  (19121716)               402850.15
 3769979.79    96702.97849  (17103016)
       402841.36   3770003.60   102985.58540  (19121716)               402535.81
 3769970.76    12172.90593  (21121315)
       402371.73   3770333.41    10425.64768  (18010914)               402455.64
 3770360.45    12832.56070  (18121316)
       403550.13   3770387.49     3028.96020  (21121416)               402462.16
 3769696.67     4418.77678  (21123016)
       402666.33   3769669.63     5398.70756  (19122616)               402975.20
 3769993.94   109218.47761  (21110116)
       403001.68   3769917.73    23753.98472  (17103016)               402957.59
 3769914.25    22339.41155  (19122016)
       403057.77   3769969.95    27259.37542  (17103016)               403173.82
 3769962.02    10232.59167  (21120916)
       403193.55   3770005.15    11650.26722  (21120916)               403310.66
 3770102.56     7273.69371  (21120916)
       403420.92   3770069.87     6725.60208  (21120916)               403457.86
 3770104.69     5731.53717  (21120916)
       403512.99   3770069.48     5736.99461  (21120916)               403640.96
 3770103.12     4462.78691  (21120916)
       403646.87   3770068.10     4727.92523  (21120916)               403707.22
 3770067.28     4401.92656  (21120916)
       403730.89   3770103.45     4032.80361  (21120916)               403762.30
 3770107.07     3891.39115  (21120916)
       403760.98   3770043.27     4271.02817  (21120916)               403802.76
 3770202.99     2705.78618  (21120916)
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***       10:17:50
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
402497.32	3770257.80	77598.11042	(21122109)	402512.72	3770236.55	85776.92781	(19121716)
402523.13	3770222.83	82947.75305	(19121716)	402481.02	3770248.83	69825.13182	(19020510)
402490.12	3770235.59	84432.47281	(19121716)	402488.72	3770239.26	84396.34276	(19121716)
402494.66	3770227.43	87492.42456	(19121716)	402531.78	3770205.43	91436.31705	(19121716)
402511.13	3770198.14	91187.76846	(19121716)	402545.89	3770183.49	107584.86218	(19121716)
402518.72	3770182.55	105379.28489	(19120616)	402532.95	3770167.73	131909.56723	(19120616)
402560.07	3770172.55	117854.74005	(19121716)	402576.25	3770166.37	113151.68574	(19121716)
402546.13	3770156.20	122027.45086	(19120616)	402591.84	3770157.02	126684.57356	(19121716)
402604.48	3770151.08	131039.84281	(19121716)	402586.60	3770135.20	128243.40964	(19121716)
402649.48	3770129.96	133130.74035	(19121716)	402632.43	3770139.49	128016.94363	(19121716)
402662.31	3770123.96	130576.17748	(19121716)	402712.38	3770080.52	123155.92874	(19121716)
402688.91	3770073.62	131023.90331	(19121716)	402671.67	3770092.59	124775.38243	(19121716)
402702.80	3770093.36	131627.95292	(19121716)	402720.43	3770063.47	131876.45063	(19121716)

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       402729.81   3770050.35   134626.30457  (19121716)               402739.97
 3770038.66   137264.31915  (19121716)
       402704.05   3770041.15   114376.29531  (19120616)               402698.39
 3770053.12   116661.46252  (19121716)
       402749.07   3770030.32   134365.22108  (19121716)               402718.03
 3770026.88   123753.80809  (19120616)
       402733.93   3770012.99   129547.24565  (19120616)               402757.60
 3769994.69   123796.41480  (19121716)
       402779.92   3770006.76   124256.33732  (19121716)               402768.71
 3770012.99   131469.74912  (19121716)
       402805.88   3770002.54   111609.31654  (19121716)               402825.32
 3769979.75    95536.97304  (19121716)
       402823.69   3770002.45   107461.21855  (19121716)               402751.41
 3770000.29   134119.35743  (19121716)
       402956.96   3770007.69   108607.93726  (18111916)               402922.83
 3770007.13   114423.94665  (19121716)
       402906.64   3770006.58   112976.14779  (19121716)               402888.50
 3770006.58   105517.30008  (19121716)
       402871.68   3770005.54   103233.60199  (19121716)               402859.36
 3770003.81   105498.13821  (19121716)
       402913.56   3769983.18   112729.54032  (19121716)               402934.05
 3769984.01   116621.62337  (19121716)
       402881.58   3769984.22   102477.55361  (19121716)               402850.15
 3769979.79    97128.73805  (17103016)
       402841.36   3770003.60   103559.87702  (19121716)               402535.81
 3769970.76    12200.41137  (21121315)
       402371.73   3770333.41    10477.43096  (18010914)               402455.64
 3770360.45    12878.91346  (18121316)
       403550.13   3770387.49     3040.59772  (21121416)               402462.16
 3769696.67     4428.65313  (21123016)
       402666.33   3769669.63     5413.52207  (19122616)               402975.20
 3769993.94   109795.13356  (21110116)
       403001.68   3769917.73    23830.33601  (17103016)               402957.59
 3769914.25    22434.71666  (19122016)
       403057.77   3769969.95    27356.71773  (17103016)               403173.82
 3769962.02    10301.92596  (21120916)
       403193.55   3770005.15    11732.83100  (21120916)               403310.66
 3770102.56     7301.06954  (21120916)
       403420.92   3770069.87     6756.32541  (21120916)               403457.86
 3770104.69     5755.10119  (21120916)
       403512.99   3770069.48     5764.91984  (21120916)               403640.96
 3770103.12     4483.13036  (21120916)
       403646.87   3770068.10     4752.42164  (21120916)               403707.22
 3770067.28     4425.06296  (21120916)
       403730.89   3770103.45     4051.65710  (21120916)               403762.30
 3770107.07     3909.40596  (21120916)
       403760.98   3770043.27     4295.12454  (21120916)               403802.76
 3770202.99     2715.06523  (21120916)
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                              *** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: DUST   ***
                                 INCLUDING SOURCE(S):   PAREA1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF DPM   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        402497.32   3770257.80   794.57558 (20012024)   402512.72
 3770236.55   806.91973m (21040308)
        402523.13   3770222.83   722.81343m (21040308)   402481.02
 3770248.83   712.70649 (19020408)
        402490.12   3770235.59   771.80533c (20111908)   402488.72
 3770239.26   793.45024 (19020408)
        402494.66   3770227.43   773.93483c (20111908)   402531.78
 3770205.43   780.45403m (21040308)
        402511.13   3770198.14   740.81083c (20111908)   402545.89
 3770183.49   696.46874m (21040308)
        402518.72   3770182.55   655.10014c (20111908)   402532.95
 3770167.73   726.65165c (20111908)
        402560.07   3770172.55   654.24625c (19072408)   402576.25
 3770166.37   631.73432 (20012024)
        402546.13   3770156.20   800.86098 (20101608)   402591.84
 3770157.02   735.10834 (20012024)
        402604.48   3770151.08   761.33221 (20012024)   402586.60
 3770135.20   664.13704 (21110608)
        402649.48   3770129.96   855.63980 (20012024)   402632.43
 3770139.49   767.62561 (20012024)
        402662.31   3770123.96   857.97298 (20012024)   402712.38
 3770080.52   785.46335 (20072808)
        402688.91   3770073.62   721.34091c (20111908)   402671.67
 3770092.59   573.81553m (20112108)
        402702.80   3770093.36   913.69873 (20072708)   402720.43
 3770063.47   813.57132 (20072808)
        402729.81   3770050.35   783.12052m (21040308)   402739.97
 3770038.66   837.96687m (21040308)
        402704.05   3770041.15   585.23338 (21021008)   402698.39

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 3770053.12      655.55843c (20111908)
       402749.07   3770030.32      810.45449m (21040308)               402718.03
 3770026.88      615.82619  (21120608)
       402733.93   3770012.99      740.10867  (21031808)               402757.60
 3769994.69      844.24855  (20101108)
       402779.92   3770006.76      771.97331c (19072408)               402768.71
 3770012.99      793.38361m (21040308)
       402805.88   3770002.54      798.86181  (20042808)               402825.32
 3769979.75      829.51154  (17060408)
       402823.69   3770002.45      773.64536  (20042808)               402751.41
 3770000.29      874.72002  (21031808)
       402956.96   3770007.69      906.90603  (20041908)               402922.83
 3770007.13      886.72769  (20042808)
       402906.64   3770006.58      873.54619  (20042808)               402888.50
 3770006.58      818.65856  (20042808)
       402871.68   3770005.54      808.42999  (20042808)               402859.36
 3770003.81      837.36255  (20042808)
       402913.56   3769983.18      856.25085c (20092208)               402934.05
 3769984.01      930.16708c (20092208)
       402881.58   3769984.22      853.50473c (20092208)               402850.15
 3769979.79      753.77633  (21060408)
       402841.36   3770003.60      764.87170  (20042808)               402535.81
 3769970.76       91.83634  (21021008)
       402371.73   3770333.41       88.41343  (18111608)               402455.64
 3770360.45       87.10571  (18102708)
       403550.13   3770387.49       31.32882  (18092524)               402462.16
 3769696.67       53.38830  (21021008)
       402666.33   3769669.63       53.53329  (18110808)               402975.20
 3769993.94      903.69999  (17020924)
       403001.68   3769917.73      190.58597  (21060408)               402957.59
 3769914.25      197.71885  (17060408)
       403057.77   3769969.95      230.98793  (18062008)               403173.82
 3769962.02      122.73188  (18062008)
       403193.55   3770005.15      110.98535  (17081208)               403310.66
 3770102.56       62.71000  (17020924)
       403420.92   3770069.87       56.16028  (17020924)               403457.86
 3770104.69       48.92287  (17020924)
       403512.99   3770069.48       47.73731  (17020924)               403640.96
 3770103.12       37.89007  (17020924)
       403646.87   3770068.10       38.88777  (17020924)               403707.22
 3770067.28       36.15636  (17081208)
       403730.89   3770103.45       33.98043  (17020924)               403762.30
 3770107.07       32.69016  (17020924)
       403760.98   3770043.27       36.19832  (17081208)               403802.76
 3770202.99       27.27914  (17022024)
 *** AERMOD - VERSION 24142  ***   ***
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12/15/25
 *** AERMET - VERSION  22112 ***   ***
                        ***       10:17:50
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: EXHUAST ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
402497.32	3770257.80	51458.33842	(19120316)	402512.72	3770236.55	50579.32615	(17032116)
402523.13	3770222.83	50336.98974	(17032116)	402481.02	3770248.83	41803.62815	(19120316)
402490.12	3770235.59	51924.70600	(19120316)	402488.72	3770239.26	53252.93412	(19120316)
402494.66	3770227.43	53070.81189	(19120316)	402531.78	3770205.43	55452.77015	(17032116)
402511.13	3770198.14	53818.28286	(19120316)	402545.89	3770183.49	64042.55600	(17032116)
402518.72	3770182.55	50978.91772	(19120616)	402532.95	3770167.73	64273.77942	(19120316)
402560.07	3770172.55	70985.27949	(17032116)	402576.25	3770166.37	69169.76861	(17032116)
402546.13	3770156.20	64792.32151	(19120316)	402591.84	3770157.02	77306.95507	(17032116)
402604.48	3770151.08	80552.34364	(17032116)	402586.60	3770135.20	75714.52524	(19120316)
402649.48	3770129.96	84135.84995	(17032116)	402632.43	3770139.49	80041.42188	(17032116)
402662.31	3770123.96	83612.14329	(17103016)	402712.38	3770080.52	86683.26602	(17103016)
402688.91	3770073.62	75399.62042	(19120316)	402671.67	3770092.59	73104.42387	(17032116)
402702.80	3770093.36	92567.90253	(17103016)	402720.43			

3770063.47   83986.93463 (17103016)
       402729.81   3770050.35   84727.44018 (17032116)   402739.97
3770038.66   86359.15097 (17032116)
       402704.05   3770041.15   60183.12015 (19121716)   402698.39
3770053.12   66359.56111 (19121716)
       402749.07   3770030.32   86099.83671 (17103016)   402718.03
3770026.88   65899.28093 (19121716)
       402733.93   3770012.99   73591.57123 (19120316)   402757.60
3769994.69   74086.41989 (19120316)
       402779.92   3770006.76   83608.52261 (17103016)   402768.71
3770012.99   86552.70620 (17103016)
       402805.88   3770002.54   71810.19537 (17032116)   402825.32
3769979.75   69368.86306 (17103016)
       402823.69   3770002.45   67963.58658 (17032116)   402751.41
3770000.29   83672.20920 (19120316)
       402956.96   3770007.69   58251.24009 (20012116)   402922.83
3770007.13   68247.96885 (17032116)
       402906.64   3770006.58   67894.22690 (17032116)   402888.50
3770006.58   64061.07730 (17032116)
       402871.68   3770005.54   63139.49498 (17032116)   402859.36
3770003.81   65052.79254 (17032116)
       402913.56   3769983.18   74516.19447 (17103016)   402934.05
3769984.01   80468.63812 (17103016)
       402881.58   3769984.22   73817.14314 (17103016)   402850.15
3769979.79   69302.73764 (17103016)
       402841.36   3770003.60   64427.70821 (17032116)   402535.81
3769970.76   7622.42756 (21123016)
       402371.73   3770333.41   4001.18833 (20120816)   402455.64
3770360.45   4532.34880 (19103016)
       403550.13   3770387.49   828.21245 (21121416)   402462.16
3769696.67   2808.36626 (21123016)
       402666.33   3769669.63   2654.90048 (21123016)   402975.20
3769993.94   57747.55635 (17103016)
       403001.68   3769917.73   11748.57674 (17103016)   402957.59
3769914.25   12003.30971 (17103016)
       403057.77   3769969.95   12110.89856 (17103016)   403173.82
3769962.02   4586.12790 (19012116)
       403193.55   3770005.15   3899.35960 (19012116)   403310.66
3770102.56   2091.08976 (21120916)
       403420.92   3770069.87   1593.49167 (21120916)   403457.86
3770104.69   1413.75877 (21120916)
       403512.99   3770069.48   1271.90831 (21120916)   403640.96
3770103.12   970.48575 (21120916)
       403646.87   3770068.10   971.75437 (21120916)   403707.22
3770067.28   878.48536 (21120916)
       403730.89   3770103.45   837.41622 (21120916)   403762.30
3770107.07   799.28822 (21120916)
       403760.98   3770043.27   809.24382 (21120916)   403802.76
3770202.99   661.66204 (21120916)

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                              *** THE   1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                 INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                 VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , VOL13   ,
                 VOL14   , VOL15   , VOL16   , VOL17   , VOL18
 , VOL19   , VOL20   , VOL21   ,
                 VOL22   , VOL23   , VOL24   , VOL25   , VOL26
 , VOL27   , VOL28   , . . .   ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF DPM   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        402497.32   3770257.80   51804.99373 (19120316)   402512.72
 3770236.55   50981.82173 (17032116)
        402523.13   3770222.83   50701.52121 (17032116)   402481.02
 3770248.83   41984.92486 (19120316)
        402490.12   3770235.59   52145.49726 (19120316)   402488.72
 3770239.26   53482.65403 (19120316)
        402494.66   3770227.43   53292.37821 (19120316)   402531.78
 3770205.43   55840.04660 (17032116)
        402511.13   3770198.14   54021.25146 (19120316)   402545.89
 3770183.49   64400.09528 (17032116)
        402518.72   3770182.55   51172.66861 (19120616)   402532.95
 3770167.73   64473.70973 (19120316)
        402560.07   3770172.55   71311.31624 (17032116)   402576.25
 3770166.37   69467.95352 (17032116)
        402546.13   3770156.20   64979.16819 (19120316)   402591.84
 3770157.02   77649.36080 (17032116)
        402604.48   3770151.08   80902.89667 (17032116)   402586.60
 3770135.20   75870.95475 (19120316)
        402649.48   3770129.96   84526.10339 (17032116)   402632.43
 3770139.49   80386.09825 (17032116)
        402662.31   3770123.96   83942.64934 (17103016)   402712.38

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3770080.52    87079.03037  (17103016)
       402688.91   3770073.62    75604.19321  (19120316)                402671.67
3770092.59    73226.72469  (17032116)
       402702.80   3770093.36    93008.04198  (17103016)                402720.43
3770063.47    84386.84312  (17103016)
       402729.81   3770050.35    85119.94427  (17032116)                402739.97
3770038.66    86770.31986  (17032116)
       402704.05   3770041.15    60309.90789  (19121716)                402698.39
3770053.12    66502.23993  (19121716)
       402749.07   3770030.32    86474.47987  (17103016)                402718.03
3770026.88    66040.48358  (19121716)
       402733.93   3770012.99    73774.90758  (19120316)                402757.60
3769994.69    74268.96095  (19120316)
       402779.92   3770006.76    83932.16113  (17103016)                402768.71
3770012.99    86905.41383  (17103016)
       402805.88   3770002.54    72146.55311  (17032116)                402825.32
3769979.75    69717.30802  (17103016)
       402823.69   3770002.45    68267.47467  (17032116)                402751.41
3770000.29    83877.21460  (19120316)
       402956.96   3770007.69    58594.06756  (20012116)                402922.83
3770007.13    68549.28993  (17032116)
       402906.64   3770006.58    68192.23318  (17032116)                402888.50
3770006.58    64337.86728  (17032116)
       402871.68   3770005.54    63412.96469  (17032116)                402859.36
3770003.81    65346.70247  (17032116)
       402913.56   3769983.18    74923.90911  (17103016)                402934.05
3769984.01    80910.70754  (17103016)
       402881.58   3769984.22    74227.47103  (17103016)                402850.15
3769979.79    69656.10390  (17103016)
       402841.36   3770003.60    64705.31554  (17032116)                402535.81
3769970.76     7640.18531  (21123016)
       402371.73   3770333.41     4016.51673  (20120816)                402455.64
3770360.45     4550.16187  (19103016)
       403550.13   3770387.49      830.90357  (21121416)                402462.16
3769696.67     2815.50248  (21123016)
       402666.33   3769669.63     2664.06327  (21123016)                402975.20
3769993.94    58110.16802  (17103016)
       403001.68   3769917.73    11790.02076  (17103016)                402957.59
3769914.25    12042.02869  (17103016)
       403057.77   3769969.95    12170.88965  (17103016)                403173.82
3769962.02     4604.91718  (19012116)
       403193.55   3770005.15     3913.34611  (19012116)                403310.66
3770102.56     2099.92748  (21120916)
       403420.92   3770069.87     1600.18395  (21120916)                403457.86
3770104.69     1419.51482  (21120916)
       403512.99   3770069.48     1277.32393  (21120916)                403640.96
3770103.12      974.44183  (21120916)
       403646.87   3770068.10      976.00616  (21120916)                403707.22
3770067.28      882.36466  (21120916)
       403730.89   3770103.45      840.84721  (21120916)                403762.30
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: DUST   ***
                                  INCLUDING SOURCE(S):   PAREA1   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF DPM   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
       402497.32   3770257.80   532.48582 (21120224)   402512.72
3770236.55   543.51973m (21040324)
       402523.13   3770222.83   490.34346m (21040324)   402481.02
3770248.83   476.39526m (21012324)
       402490.12   3770235.59   555.44386m (21012324)   402488.72
3770239.26   565.42323m (21012324)
       402494.66   3770227.43   562.87056m (21012324)   402531.78
3770205.43   524.79667m (21040324)
       402511.13   3770198.14   536.32240m (21012324)   402545.89
3770183.49   465.67519m (21040324)
       402518.72   3770182.55   468.36591m (21012324)   402532.95
3770167.73   500.19252 (17020624)
       402560.07   3770172.55   458.40282 (17112624)   402576.25
3770166.37   442.24655 (17112624)
       402546.13   3770156.20   512.78673 (19120324)   402591.84
3770157.02   500.93245 (17112624)
       402604.48   3770151.08   512.62858 (17112624)   402586.60
3770135.20   418.46889 (19120324)
       402649.48   3770129.96   554.26595 (21120224)   402632.43
3770139.49   504.87389 (17112624)
       402662.31   3770123.96   554.27302 (21120224)   402712.38
3770080.52   509.62132 (17090624)
       402688.91   3770073.62   512.15557m (21012324)   402671.67
3770092.59   412.28101m (21012324)

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       402702.80   3770093.36      585.08872  (17090624)                402720.43
3770063.47      543.06324  (19092624)
       402729.81   3770050.35      527.34687  (19092624)                402739.97
3770038.66      550.09543m (21040324)
       402704.05   3770041.15      404.08922m (21012324)                402698.39
3770053.12      460.05737m (21012324)
       402749.07   3770030.32      534.91733m (21040324)                402718.03
3770026.88      438.39632  (17020624)
       402733.93   3770012.99      512.96257  (17020624)                402757.60
3769994.69      536.92707  (17020624)
       402779.92   3770006.76      528.69246  (19020424)                402768.71
3770012.99      529.71860  (21120224)
       402805.88   3770002.54      578.13770  (19020424)                402825.32
3769979.75      490.44608  (20041224)
       402823.69   3770002.45      568.86694  (19020424)                402751.41
3770000.29      557.65512  (17020624)
       402956.96   3770007.69      610.28310  (19030724)                402922.83
3770007.13      612.56817  (17021124)
       402906.64   3770006.58      603.30505  (17021124)                402888.50
3770006.58      568.73810  (17021124)
       402871.68   3770005.54      572.54670  (19020424)                402859.36
3770003.81      603.27955  (19020424)
       402913.56   3769983.18      537.76040  (21120524)                402934.05
3769984.01      555.06417  (20041224)
       402881.58   3769984.22      543.60788  (21120524)                402850.15
3769979.79      450.23270  (20041224)
       402841.36   3770003.60      558.04300  (19020424)                402535.81
3769970.76       52.92528m (20031324)
       402371.73   3770333.41       39.51064m (21012324)                402455.64
3770360.45       31.01674  (19052124)
       403550.13   3770387.49       16.31428  (20080924)                402462.16
3769696.67       23.95358  (20012224)
       402666.33   3769669.63       26.81507m (20122124)                402975.20
3769993.94      577.48235  (20052624)
       403001.68   3769917.73       86.97721  (19092624)                402957.59
3769914.25       86.46536  (19092624)
       403057.77   3769969.95      116.16414  (17090624)                403173.82
3769962.02       58.68960  (21061324)
       403193.55   3770005.15       57.35058  (19071224)                403310.66
3770102.56       34.33284  (19071224)
       403420.92   3770069.87       29.37702  (19071224)                403457.86
3770104.69       25.98882  (19071224)
       403512.99   3770069.48       24.29378  (19071224)                403640.96
3770103.12       18.99414  (19071224)
       403646.87   3770068.10       19.12033  (19071224)                403707.22
3770067.28       17.38292  (19071224)
       403730.89   3770103.45       16.62092  (20052624)                403762.30
3770107.07       15.94929  (20052624)
       403760.98   3770043.27       16.02755  (19071224)                403802.76
3770202.99       14.16096  (18071424)
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: EXHUAST ***
                                  INCLUDING SOURCE(S):   VOL1   , VOL2
 , VOL3   , VOL4   , VOL5   ,
                 VOL6   , VOL7   , VOL8   , VOL9   , VOL10
 , VOL11   , VOL12   , VOL13   ,
                 VOL14   , VOL15   , VOL16   , VOL17   , VOL18
 , VOL19   , VOL20   , VOL21   ,
                 VOL22   , VOL23   , VOL24   , VOL25   , VOL26
 , VOL27   , VOL28   , . . .   ,

                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF DPM   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        402497.32   3770257.80   17152.77947 (19120324)   402512.72
 3770236.55   16859.77538 (17032124)
        402523.13   3770222.83   16778.99658 (17032124)   402481.02
 3770248.83   13934.54272 (19120324)
        402490.12   3770235.59   17308.23533 (19120324)   402488.72
 3770239.26   17750.97804 (19120324)
        402494.66   3770227.43   17690.27063 (19120324)   402531.78
 3770205.43   18484.25672 (17032124)
        402511.13   3770198.14   17939.42762 (19120324)   402545.89
 3770183.49   21347.51867 (17032124)
        402518.72   3770182.55   16992.97257 (19120624)   402532.95
 3770167.73   21424.59314 (19120324)
        402560.07   3770172.55   23661.75983 (17032124)   402576.25
 3770166.37   23056.58954 (17032124)
        402546.13   3770156.20   21597.44050 (19120324)   402591.84
 3770157.02   25768.98502 (17032124)
        402604.48   3770151.08   26850.78121 (17032124)   402586.60
 3770135.20   25238.17508 (19120324)
        402649.48   3770129.96   28045.28332 (17032124)   402632.43
 3770139.49   26680.47396 (17032124)

```
       402662.31   3770123.96    27870.71443  (17103024)              402712.38
3770080.52    28894.42201  (17103024)
       402688.91   3770073.62    25133.20681  (19120324)              402671.67
3770092.59    24368.14129  (17032124)
       402702.80   3770093.36    30855.96751  (17103024)              402720.43
3770063.47    27995.64488  (17103024)
       402729.81   3770050.35    28242.48006  (17032124)              402739.97
3770038.66    28786.38366  (17032124)
       402704.05   3770041.15    20061.04005  (19121724)              402698.39
3770053.12    22119.85370  (19121724)
       402749.07   3770030.32    28699.94557  (17103024)              402718.03
3770026.88    21966.42698  (19121724)
       402733.93   3770012.99    24530.52374  (19120324)              402757.60
3769994.69    24695.47330  (19120324)
       402779.92   3770006.76    27869.50754  (17103024)              402768.71
3770012.99    28850.90207  (17103024)
       402805.88   3770002.54    23936.73179  (17032124)              402825.32
3769979.75    23122.95435  (17103024)
       402823.69   3770002.45    22654.52886  (17032124)              402751.41
3770000.29    27890.73640  (19120324)
       402956.96   3770007.69    19417.08003  (20012124)              402922.83
3770007.13    22749.32295  (17032124)
       402906.64   3770006.58    22631.40897  (17032124)              402888.50
3770006.58    21353.69243  (17032124)
       402871.68   3770005.54    21046.49833  (17032124)              402859.36
3770003.81    21684.26418  (17032124)
       402913.56   3769983.18    24838.73149  (17103024)              402934.05
3769984.01    26822.87937  (17103024)
       402881.58   3769984.22    24605.71438  (17103024)              402850.15
3769979.79    23100.91255  (17103024)
       402841.36   3770003.60    21475.90274  (17032124)              402535.81
3769970.76     2540.80919  (21123024)
       402371.73   3770333.41     1333.72944  (20120824)              402455.64
3770360.45     1510.78293  (19103024)
       403550.13   3770387.49      276.07082  (21121424)              402462.16
3769696.67      936.12209  (21123024)
       402666.33   3769669.63      884.96683  (21123024)              402975.20
3769993.94    19249.18545  (17103024)
       403001.68   3769917.73     3916.19225  (17103024)              402957.59
3769914.25     4001.10324  (17103024)
       403057.77   3769969.95     4036.96619  (17103024)              403173.82
3769962.02     1528.70930  (19012124)
       403193.55   3770005.15     1299.78653  (19012124)              403310.66
3770102.56      697.02992  (21120924)
       403420.92   3770069.87      531.16389  (21120924)              403457.86
3770104.69      471.25292  (21120924)
       403512.99   3770069.48      423.96944  (21120924)              403640.96
3770103.12      323.49525  (21120924)
       403646.87   3770068.10      323.91812  (21120924)              403707.22
3770067.28      292.82845  (21120924)
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
402497.32	3770257.80	17373.55974	(19120324)	402512.72	3770236.55	17315.87615	(17032124)
402523.13	3770222.83	17182.64041	(17032124)	402481.02	3770248.83	14264.85549	(19120324)
402490.12	3770235.59	17737.44507	(19120324)	402488.72	3770239.26	18187.91510	(19120324)
402494.66	3770227.43	18137.31361	(19120324)	402531.78	3770205.43	18918.70241	(17032124)
402511.13	3770198.14	18387.60781	(19120324)	402545.89	3770183.49	21751.44595	(17032124)
402518.72	3770182.55	17239.08637	(19120624)	402532.95	3770167.73	21903.28145	(19120324)
402560.07	3770172.55	24047.23130	(17032124)	402576.25	3770166.37	23408.97978	(17032124)
402546.13	3770156.20	22110.22723	(19120324)	402591.84	3770157.02	26169.05863	(17032124)

```
       402604.48   3770151.08    27261.50974  (17032124)               402586.60
3770135.20    25656.64397  (19120324)
       402649.48   3770129.96    28496.65369  (17032124)               402632.43
3770139.49    27084.31422  (17032124)
       402662.31   3770123.96    28274.41152  (17032124)               402712.38
3770080.52    29254.03661  (17103024)
       402688.91   3770073.62    25580.30950  (19120324)               402671.67
3770092.59    24579.40624  (17032124)
       402702.80   3770093.36    31253.48813  (17103024)               402720.43
3770063.47    28375.61593  (17103024)
       402729.81   3770050.35    28701.63824  (17032124)               402739.97
3770038.66    29267.01555  (17032124)
       402704.05   3770041.15    20279.49272  (19121724)               402698.39
3770053.12    22349.03236  (19121724)
       402749.07   3770030.32    29072.60185  (17103024)               402718.03
3770026.88    22193.19206  (19121724)
       402733.93   3770012.99    25016.07796  (19120324)               402757.60
3769994.69    25229.75103  (19120324)
       402779.92   3770006.76    28224.03025  (17103024)               402768.71
3770012.99    29215.47882  (17103024)
       402805.88   3770002.54    24358.23609  (17032124)               402825.32
3769979.75    23484.10380  (17103024)
       402823.69   3770002.45    23048.02005  (17032124)               402751.41
3770000.29    28447.38039  (19120324)
       402956.96   3770007.69    19744.06716  (20012124)               402922.83
3770007.13    23154.66095  (17032124)
       402906.64   3770006.58    23034.12099  (17032124)               402888.50
3770006.58    21733.08868  (17032124)
       402871.68   3770005.54    21422.26701  (17032124)               402859.36
3770003.81    22079.54579  (17032124)
       402913.56   3769983.18    25258.47792  (17103024)               402934.05
3769984.01    27269.57079  (17103024)
       402881.58   3769984.22    25019.56155  (17103024)               402850.15
3769979.79    23452.91721  (17103024)
       402841.36   3770003.60    21848.74586  (17032124)               402535.81
3769970.76     2577.25254  (21123024)
       402371.73   3770333.41     1346.40629  (20120824)               402455.64
3770360.45     1518.27340  (19103024)
       403550.13   3770387.49      278.25051  (21121424)               402462.16
3769696.67      953.55105  (21123024)
       402666.33   3769669.63      895.65388  (21123024)               402975.20
3769993.94    19501.14613  (17103024)
       403001.68   3769917.73     3954.94909  (17103024)               402957.59
3769914.25     4051.77020  (17103024)
       403057.77   3769969.95     4080.40111  (17103024)               403173.82
3769962.02     1542.11168  (19012124)
       403193.55   3770005.15     1313.41562  (19012124)               403310.66
3770102.56      710.05425  (21120924)
       403420.92   3770069.87      541.24560  (21120924)               403457.86
3770104.69      480.48743  (21120924)
```

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF DPM   IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE	NETWORK CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
DUST	HIGH	1ST HIGH VALUE IS	1487.91592	ON 20080806:	AT (402975.20, 3769993.94, 79.17, 79.17, 2.00)	DC
EXHUAST	HIGH	1ST HIGH VALUE IS	136508.25928	ON 19121716:	AT (402739.97, 3770038.66, 77.50, 77.50, 2.00)	DC
ALL	HIGH	1ST HIGH VALUE IS	137264.31915	ON 19121716:	AT (402739.97, 3770038.66, 77.50, 77.50, 2.00)	DC

 *** RECEPTOR TYPES: GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE	CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
DUST	HIGH	1ST HIGH VALUE IS	930.16708c	ON 20092208: AT (402934.05, 3769984.01, 79.03, 79.03, 2.00)	DC	
EXHUAST	HIGH	1ST HIGH VALUE IS	92567.90253	ON 17103016: AT (402702.80, 3770093.36, 77.46, 77.46, 2.00)	DC	
ALL	HIGH	1ST HIGH VALUE IS	93008.04198	ON 17103016: AT (402702.80, 3770093.36, 77.46, 77.46, 2.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 24142 *** ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
*** AERMET - VERSION 22112 *** ***
*** 10:17:50

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

			DATE			NETWORK

```
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

DUST     HIGH   1ST HIGH VALUE IS     612.56817  ON 17021124: AT (  402922.83,
3770007.13,    78.01,    78.01,    2.00)  DC

EXHUAST  HIGH   1ST HIGH VALUE IS   30855.96751  ON 17103024: AT (  402702.80,
3770093.36,    77.46,    77.46,    2.00)  DC

ALL      HIGH   1ST HIGH VALUE IS   31253.48813  ON 17103024: AT (  402702.80,
3770093.36,    77.46,    77.46,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION 24142  ***   ***
C:\Users\adadabhoy\Desktop\AERMOD\15953-Merced Avenue Stormwater Cap ***
12/15/25
 *** AERMET - VERSION  22112 ***   ***
                       ***        10:17:50

                                  PAGE 455
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of           97 Warning Message(s)
 A Total of          474 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of           41 Calm Hours Identified

 A Total of          433 Missing Hours Identified (  0.99 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    7244       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
      0.50
```

```
 ME W187    7244       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 CN W733    1168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2017021816
 CN W732    1176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2017021824
 CN W733   10360         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018030816
 CN W732   10368         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018030824
 CN W733   12400         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2018060116
 CN W732   12408         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2018060124
 CN W733   22832         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019081008
 CN W733   22840         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019081016
 CN W732   22848         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019081024
 CN W733   25416         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019112524
 CN W733   25424         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019112608
 CN W733   25432         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019112616
 CN W733   25440         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019112624
 CN W732   25440         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019112624
 CN W733   25448         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019112708
 CN W733   25456         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019112716
 CN W732   25464         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2019112724
 CN W733   26280         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2019123124
 CN W733   26288         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020010108
 CN W733   26304         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020010124
 CN W732   26304         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020010124
 CN W733   26312         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020010208
 CN W733   28024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020031316
 CN W732   28032         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020031324
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 CN W733   28048         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020031416
 CN W732   28056         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020031424
 CN W733   28072         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020031516
 CN W732   28080         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020031524
 CN W733   28096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020031616
 CN W732   28104         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020031624
 CN W733   28504         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020040216
 CN W732   28512         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020040224
 CN W733   28528         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020040316
 CN W732   28536         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020040324
 CN W733   28624         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020040716
 CN W732   28632         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020040724
 CN W733   28936         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020042016
 CN W732   28944         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020042024
 CN W733   30496         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020062416
 CN W733   33008         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020100708
 CN W733   33016         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020100716
 CN W732   33024         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020100724
 CN W733   33088         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020101016
 CN W732   33096         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020101024
 CN W733   33880         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020111216
 CN W732   33888         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020111224
 CN W733   34024         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020111816
 CN W732   34032         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020111824
 CN W733   34072         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020112016
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 CN W732   34080         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112024
 CN W733   34096         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020112116
 CN W732   34104         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112124
 CN W733   34120         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020112216
 CN W732   34128         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112224
 CN W733   34144         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020112316
 CN W732   34152         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112324
 CN W733   34168         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020112416
 CN W732   34176         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112424
 CN W733   34192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020112516
 CN W732   34200         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020112524
 CN W733   34672         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020121516
 CN W732   34680         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020121524
 CN W733   34816         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2020122116
 CN W732   34824         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2020122124
 CN W733   35272         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021010916
 CN W732   35280         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021010924
 CN W733   35296         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021011016
 CN W732   35304         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011024
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2021011116
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2021011124
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2021011216
 CN W732   35352         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021011224
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2021012316
 CN W732   35616         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012324
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 CN W733   35632         AVER: 8-hr avg, < 6 hours of data, calms policy used.
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 CN W732   35640         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012424
 CN W733   35656         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021012516
 CN W732   35664         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021012524
 CN W733   36384         AVER: 8-hr avg, < 6 hours of data, calms policy used.
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2021022508
 CN W733   36808         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021031416
 CN W732   36816         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021031424
 CN W733   37192         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021033016
 CN W732   37200         AVER: 24-hr avg, < 18 hours of data, calms policy used.
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2021040316
 CN W732   37296         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021040324
 CN W733   38744         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060308
 CN W733   38752         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021060316
 CN W732   38760         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021060324
 CN W733   40912         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021090116
 CN W732   40920         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021090124
 CN W733   41800         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100816
 CN W732   41808         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100824
 CN W733   41824         AVER: 8-hr avg, < 6 hours of data, calms policy used.
2021100916
 CN W732   41832         AVER: 24-hr avg, < 18 hours of data, calms policy used.
2021100924

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APPENDIX B
Arborist Report El Monte Merced Avenue Stormwater Capture Project

Arborist Report

El Monte Merced Avenue Stormwater Capture Project

Craftwater/City of El Monte

January 24, 2025



Arborist Report
El Monte Merced Avenue Stormwater Capture Project
Prepared for Craftwater and City of El Monte

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1. Introduction

1.1 Purpose of this report

The purpose of this report is to provide an assessment of trees identified within the Project area where tree roots or tree canopy driplines from adjacent properties may be protruding into the project area. As many of the trees observed in the field are behind fences/walls and located on private property, trees were viewed from the channel right-of-way. Tree locations are shown approximately on a tree location plan in Section 6 of this report. A Google Earth KML file will also be included as part of this report that includes tree locations. This report also includes recommended root pruning and canopy pruning procedures referencing International Society of Arboriculture (ISA) best management practices for trees during design and construction.

1.2 Project Description

The proposed project will replace the existing concrete channel with a subsurface box culvert and divert all dry-weather flows and 3% of the 85th percentile storm to an infiltrating bioswale. The bioswale will have a ponding depth of 0.5 feet, a footprint area of 0.4 acres, and a storage volume of 0.17 acre-feet. Above the proposed box culvert, the space will be converted to a linear park with a bike and walking path alongside the bioswale. The bike path will link the Merced Avenue median bike path to the Rio Hondo bike path, increasing access to active transportation.

1.3 Scope and limitations

This report: has been prepared by GHD for Craftwater/City of El Monte and may only be used and relied on by Craftwater/City of El Monte for the purpose agreed between GHD and Craftwater/City of El Monte.

GHD otherwise disclaims responsibility to any person other than Craftwater/City of El Monte arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

Accessibility of documents

If this report is required to be accessible in any other format, this can be provided by GHD upon request and at an additional cost if necessary.

1.4 Assumptions

- This report with its assessments and recommendations are limited to the trees inspected.
- Tree inspections were limited to visual examination of accessible items of the trees, from the ground, without excavation, probing, boring, or dissection, unless noted otherwise. Only the information covered in this report was examined and reflects the condition of those inspected items at that specific time.
- Anticipated construction impacts are based on information provided to GHD and it is assumed the information to be complete, true, and accurate.
- All determinations herein were based on the current proposed project footprint and proposed project description. If the project footprint or demolition methods change significantly prior to project implementation, determinations would need to be revisited, to ensure that they are still accurate.

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2. Methodology

2.1 Desktop Review

A desktop review of the following took place prior to visiting the project site:

– City of El Monte RFP Merced Stormwater Capture Design Final (Rev. 02-08-24)
– El Monte Merced Avenue Topographic Survey (Rev. 11-12-24)
– City of El Monte Community & Economic Development Department – Tree Information Handout (PDF)
– City of El Monte Community & Economic Development Department – Tree Removal Permit (PDF)
– City of El Monte Tree Protection and Preservation Ordinance (Section 14.03)

2.2 Field Survey and Tree Assessment

On January 14, 2025, Nate Oakley, ISA Certified Arborist, visited the project site. A follow up visit was performed on January 15, 2025.

Potentially impacted trees within the project limits were located and approximate locations were recorded using a Google Earth map. Property addresses were used as identifiers as most trees were inaccessible or on private property and therefore could not be tagged. Tree diameter measurements were estimated visually as most of the trees were behind CMU walls or chain-link fencing.

2.3 Assessment Methods

GHD inventoried and evaluated trees at and adjacent to the project site. The assessment focused on trees located in the channel or directly adjacent the channel in private rear yards that may be impacted by the proposed construction. A ground-level limited visual assessment was undertaken to ascertain tree health, structure, and potential for removal.

The tree inventory and field survey consisted of the following steps:

1. Identify tree genus and species.
2. Record tree to within +/- 3’-0” of accuracy using Google Earth pins and record photo of identified tree.
3. Visually approximate the trunk diameter at a point 54” above grade (DSH) (if visible).
4. Evaluate the health and structural condition, using a scale of 0 – 5 where 0 = dead, 1 = poor and 5 = excellent condition.
5. Comment on the presence of defects in structure, insects or diseases, and other aspects of development.
6. Comment on any overhanging limbs, surface roots or other tree parts protruding into the project site that may be impacted by future construction.

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2.3.1 Google Earth Map



Figure 1 Google Earth Map with tree location points indicated by green and red points.

2.3.2 City Definitions of Protected, Heritage, and Native Trees

2.3.2.1 Native Trees

The City defines protected native trees as any species on the list below with a trunk more than 25 inches in circumference, as measured at 4.5 feet above the root crown:

- *Aesculus californica* (California Buckeye).
- *Ulnus rhombifolia* (California Alder).
- *Juglans californica* (California Walnut).
- *Platanus racemosa* (California Sycamore).
- *Populus femontii* (Cottonwood).
- *Populus trichocarpa* (Black Cottonwood).
- *Quercus agrifolia* (Coast Live Oak).
- *Quercus berberidfolia* (Scrub Oak).
- *Quercus chysolepis* (Canyon Oak).
- *Quercus engelmanii* (Engelmann Oak).
- *Quercus lobata* (Valley Oak).
- *Salix lasiolepis* (Arroyo Willow); and

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– *Umbellularia californica* (California Bay).

No trees inventoried within the project area meet the requirements to qualify as a protected native tree per the City's Tree Preservation Ordinance 14.03.

3. Tree Protection Best Management Practices

3.1 Critical Root Zones

The ISA's position on a structural root zone or critical root zone (CRZ) is that there is no universally agreed upon calculation to determine the critical root zone, but for most species when roots are cut closer to 1.5 times the diameter of the tree, immediate stability will be reduced, and long-term health and survival will be impacted (Matheny et al., 2023). For the purposes of this report, the CRZ is defined as tree diameter multiplied by 1.5.

CRZ radius = ((DSH x 1.5) / 12) feet

where

DSH = Diameter at Standard Height (measured at 4.5 ft. above ground)

It is assumed that work may occur within at least 1.5-2 times the distance of the tree diameter for trees in the work area. To preserve the long-term health of the existing trees to the extent feasible, it is imperative that the Contractor uncover structural roots via hand-digging within the work area for analysis by a certified or registered consulting arborist prior to performing any construction, grade changes, root pruning, or installation of structural footings. A consulting arborist can help decide in the field if a structural root can be pruned safely or if a mitigation measure needs to take place.

3.2 Soil and Root Protection

3.2.1 General Guidelines

– Provide a tree protection zone (TPZ) around trees designated to remain. The protection zone should consist of a barrier (e.g. chain-link fence, welded wire or wood fence) and the barrier should be between 4 to 8 feet tall and solidly anchored to the ground.
– TPZ barriers should be clearly marked with signs stating that the area within should not be disturbed without authorization.
– If necessary, excavating within the tree CRZ should be done by hand digging, air or water excavation where feasible. Once excavation is complete a certified consulting arborist should advise whether root pruning is appropriate or if severing roots would compromise the tree's structural integrity.
– Any roots exposed to direct sun should be covered with layered burlap and moistened. The burlap should be kept wet until backfilled. Backfill should occur around any exposed roots within 1 hour.
– All roots over 1 inch in diameter should be cleanly pruned with sharp, clean tools. If roots greater than 2 inches cannot be retained or redirected, they must be cut back to a sound wood lateral root.
– All vehicles and equipment used for construction should work from existing paved areas.
– Avoid filling or compacting against tree root flare, burls, or up against the trunk of a tree.
– Tree protection barriers should be installed prior to construction including site demolition and clearing where feasible.

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3.3 Trunk Protection

Wood planks or dimensional lumber wrapped around the trunk of the tree can help mitigate against mechanical damage during construction activities. Temporary trunk protection structures should be used in combination with tree protection fencing where feasible when work is taking place within the CRZ.

4. Invasive Species

4.1 Ailanthus altissima

Several areas within the channel and adjacent properties contain stands or thickets of *Ailanthus altissima (Tree of Heaven)*. This tree is native to China and easily outcompetes other plant species with its rapid growth rate, allelopathy, prolific lack of natural predators, and ability to sprout from roots. It is listed as a noxious weed in California Connecticut, Massachusetts, New Hampshire, Oregon, and Vermont. It is widespread throughout California (Buecke, 2018).



Figure 2 Ailanthus stand within the channel.

The tree inventory table (Table 1) and tree location map identify areas within the channel that contain obvious thickets that include trees with a diameter measurement of at least 6”. Due to the high number of sprouts and trunks less than 6” diameter, not all thickets in the channel were recorded. Removal of all thickets within the channel or adjacent to the channel is recommended as the tree may negatively impact any future improvements such as ornamental planting, or site structures.

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5. Results

5.1 Tree Inventory Table

Table 1 Tree Inventory Table

Tree Location Map Code	Adjacent Property Address	Species	Common Name	DSH (In.)	Drip line Radius (DLR.) (Ft.)	Height (Ft.)	Health Rating	Structure Rating	Native (Y/N)	Rec. Removal ? (Y/N)	Comments
9912	9912 Towneway	*Plumeria sp.*	Frangipani	12	7	12	4	4	N	N	Tree is approx. 18" north of existing CMU wall at the east channel entrance. Approx 1'-2' of crown overhang. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9906	9906 Towneway	*Dimocarpus sp.*	Longan tree	N/A	12	12	4	4	N	N	Tree is approx. 12" north of existing CMU wall. Approx 3'-4' of crown overhang into channel over CMU wall. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9890	9890 Towneway	*Psidium guajava*	Guava	N/A	5	12	2	2	N	N	Approx 4'-0" crown overhang into channel over CMU wall. No visible surface roots. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9886	9886 Towneway	*Persea*	Avocado	14	12	15	3	2	N	N	Approx 6'-0" crown overhang into channel over CMU wall. No visible surface roots. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9866-1	9866 Towneway	*Citrus reticulata*	Mandarin	14	9	15	5	5	N	N	Approx 3'-0" crown overhang into channel over CMU wall. No visible surface roots. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9866-2	9866 Towneway	*Dimocarpus sp.*	Longan tree	N/A	6	12	4	4	N	N	Approx 4'-0" crown overhang into channel over CMU wall. No visible surface roots. No branch protrusions toward channel therefore no pruning recommended unless needed for clearance.
9852	9852 Towneway	*Melia Azedarach*	Chinaberry	30	9	18	2	2	N	N	No branch or crown overhang. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9832-1	9832 Towneway	*Citrus maxima*	Pomelo	N/A	8	12	4	4	N	N	Approx 2'-0" crown overhang into channel over CMU wall. No visible surface roots. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9832-2	9832 Towneway	*Psidium guajava*	Guava	N/A	8	9	3	4	N	N	Approx 5'-0" branch overhang into channel over CMU wall. No visible surface roots. Recommend pruning single protruding branch within the channel back to a lateral at the CMU wall.
9816	9816 Towneway	*Fraxinus sp.*	Ash	30	12	16	3	2	N	Y	Growing in chain-link fence between channel asphalt maintenance road and rear yard. Visible surface roots. Recommend removal.
9812	9812 Towneway	*Ailanthus altissima*	Chinese Tree of Heaven	12	6	17	2	2	N	Y	Surface roots on trail side, embedded in cyclone fence. Numerous other tree shoots are growing adjacent to the main trunk. Recommend complete removal. Cal IPC invasiveness rating: moderate.
9756-1	9756 Towneway	*Psidium guajava*	Guava	12	6	12	3	3	N	N	Approx 2'-0" crown overhang into channel over CMU wall. No visible surface roots. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9756-2	9756 Towneway	*Psidium guajava*	Guava	14	6	15	3	3	N	N	Approx 2'-0" crown overhang into channel over CMU wall. No visible surface roots. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9746	9746 Towneway	*Citrus reticulata*	Mandarin	24	6	12	3	3	N	N	Approx 4'-0" crown overhang into channel over CMU wall. No visible surface roots. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9721	9721 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	24	14	25	3	3	N	N	Approx 6'-0" crown overhang into channel over chain-link fence. No visible surface roots. No major branch protrusions toward channel therefore no pruning recommended.
9735	9735 Rio Hondo Pkwy	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	<6, typ.	N/A	Varies	3	3	N	Y	5 or more, less than 6" DSH typical. Growing in chain-link fence. Recommend complete removal. Cal IPC invasiveness rating: moderate.

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Tree Location Map Code	Adjacent Property Address	Species	Common Name	DSH (In.)	Drip line Radius (DLR.) (Ft.)	Height (Ft.)	Health Rating	Structure Rating	Native (Y/N)	Rec. Removal ? (Y/N)	Comments
9751	9751 Rio Hondo Pkwy	*Eriobotrya*	Loquat	14	15	20	2	2	N	Y	Large dead branch split out from main trunk. Growing in chain-link fence. Recommend removal.
9759	9759 Rio Hondo Pkwy	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	6-24	N/A	Varies	3	3	N	Y	Grouping of Ailanthus, 5 or more, sizes vary between 6-24" DSH growing in chain-link fence. Recommend complete removal. Cal IPC invasiveness rating: moderate.
9773	9773 Rio Hondo Pkwy	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	24-30	N/A	Varies	3	3	N	Y	Grouping of Ailanthus, 5 or more, sizes vary between 24-30" DSH growing in chain-link fence. Recommend complete removal. Cal IPC invasiveness rating: moderate.
9801-1	9801 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	48	<5	8	1	1	N	Y	Topped at approx. 6 feet above grade, epicormic growth. Ivy growing throughout. Entwined in chain-link fence. Recommend removal.
9801-2	9801 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	36	<5	12	1	1	N	Y	Topped at approx. 6 feet above grade, epicormic growth. Ivy growing throughout. Entwined in chain-link fence. Recommend removal.
9801-3	9801 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	36	<5	8	1	1	N	Y	Topped at approx. 6 feet above grade, epicormic growth. Ivy growing throughout. Entwined in chain-link fence. Recommend removal.
9801-4	9801 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	16	<5	7	1	1	N	Y	Topped at approx. 6 feet above grade, epicormic growth. Ivy growing throughout. Entwined in chain-link fence. Recommend removal.
9801-5	9801 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	36	<5	7	1	1	N	Y	Topped at approx. 6 feet above grade, epicormic growth. Entwined in chain-link fence. Recommend removal.
9801-6	9801 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	36	<5	7	1	1	N	Y	Topped at approx. 6 feet above grade, epicormic growth. Entwined in chain-link fence. Recommend removal.
9811-1	9811 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	8	<5	8	1	1	N	Y	Intertwined with Ailanthus. Growing in chain-link fence. Topped at 6 feet above grade. Recommend removal.
9811-2	9811 Rio Hondo Pkwy	*Persea*	Avocado	48	20	25	3	3	N	N	3 feet south of chain link fence. Crown overhangs channel by 10 feet. No visible surface roots at time of observation.
9819-1	9819 Rio Hondo Pkwy	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	6-36	N/A	Varies	2	2	N	Y	Grouping of Ailanthus, 5 or more, sizes vary between 6-36" DSH growing in chain-link fence. Recommend complete removal.
9819-2	9819 Rio Hondo Pkwy	*Eriobotrya*	Loquat	8	6	15	2	2	N	Y	Located on north side of CMU wall, trunk is entwined with an Ailanthus stem. Recommend removal.
9819-3	9819 Rio Hondo Pkwy	*Eriobotrya*	Loquat	40	10	20	3	3	N	N	Multi-trunk located on south side of chain-link fence. Surface roots visible in channel at broken concrete. Canopy extends into channel by 7-9 feet. No major root impacts anticipated.
9831	9831 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	36	12	20	3	2	N	Y	Co-dominant stems at 5 feet above grade. Entwined in chain-link fence. Previous pruning apparent on channel side of fence. Recommend removal.
9835-1	9835 Rio Hondo Pkwy	*Citrus maxima*	Pomelo	12	2	5	2	2	N	N	Between chain-link fence and CMU wall.
9835-2	9835 Rio Hondo Pkwy	*Averrhoa carambola*	Starfruit	12	6	8	3	3	N	N	Between chain-link fence and CMU wall.
9835-3	9835 Rio Hondo Pkwy	*Citrus maxima*	Pomelo	24	18	12	3	3	N	N	Between chain-link fence and CMU wall.
9835-4	9835 Rio Hondo Pkwy	*Dimocarpus sp.*	Longan tree	8	6	12	3	3	N	N	Between chain-link fence and CMU wall.
9847	9847 Rio Hondo Pkwy	*Fraxinus sp.*	Ash	60	12	30	2	2	N	Y	Tree is growing through chain-link and wood fence to the south. Tree covered in ivy. Appears that extensive pruning has been made in canopy and tree has a very low live crown ratio. Recommend removal.
9875	9875 Rio Hondo Pkwy	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	6-18	N/A	Varies	1	1	N	Y	Grouping of Ailanthus, 5 or more, sizes vary between 6-18" DSH growing in chain-link fence. Recommend complete removal.
9883	9883 Rio Hondo Pkwy	*Juglans regia*	English walnut	32	8	20	2	2	N	Y	Growing in chain-link fence. Extensive pruning above 6 feet above grade. Low live crown ratio. Epicormic growth throughout. Recommend removal.
9889-1	9889 Rio Hondo Pkwy	*Ulmus parvifolia*	Chinese elm	48	2	8	2	1	N	Y	Tree is growing through a chain-link fence. Topped at approx. 7 feet above grade. Epicormic growth. Recommend removal.

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Tree Location Map Code	Adjacent Property Address	Species	Common Name	DSH (In.)	Drip line Radius (DLR.) (Ft.)	Height (Ft.)	Health Rating	Structure Rating	Native (Y/N)	Rec. Removal ? (Y/N)	Comments
9889-2	9889 Rio Hondo Pkwy	*Ulmus parvifolia*	Chinese elm	24	2	8	2	1	N	Y	Co-dominant at grade. Growing through a chain-link fence. Topped at approx. 6 feet above grade. Epicormic growth. Recommend removal.
9889-3	9889 Rio Hondo Pkwy	*Ulmus parvifolia*	Chinese elm	24	2	8	2	1	N	Y	Co-dominant at grade. Growing through chain-link fence. Topped at approx. 7 feet above grade. Epicormic growth. Recommend removal.
9889-4	9889 Rio Hondo Pkwy	*Ulmus parvifolia*	Chinese elm	60	2	8	2	1	N	Y	Co-dominant at 18" above grade, splits into 3 stems. Growing through a chain-link fence. Topped at approx. 7 feet above grade. Epicormic growth. Recommend removal.
9889-5	9889 Rio Hondo Pkwy	*Ulmus parvifolia*	Chinese elm	36	2	8	2	1	N	Y	Tree is growing through a chain-link fence. Topped at approx. 8 feet above grade. Epicormic growth. Recommend removal.
9889-6	9889 Rio Hondo Pkwy	*Ulmus parvifolia*	Chinese elm	24	2	8	2	1	N	Y	Co-dominant 1 foot above grade. Growing through chain-link fence. Topped at 8 feet above grade. Epicormic growth. Recommend removal.
9889-7	9889 Rio Hondo Pkwy	*Ulmus parvifolia*	Chinese elm	30	2	8	2	1	N	Y	Co-dominant at 3 feet above grade. Tree is growing through a chain-link fence. Topped at approx. 7 feet above grade. Epicormic growth. Recommend removal.
9901-1	9901 Rio Hondo Pkwy	*Sambucus sp.*	Elderberry	40	2	25	1	1	N	Y	Growing at chain-link fence. Entwined with Ailanthus. Topped at 8 feet. Deadwood. Epicormic growth. Recommend removal.
9901-2	9901 Rio Hondo Pkwy	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	6-48	N/A	Varies	1	1	N	Y	Grouping of Ailanthus, 5 or more, sizes vary between 6-48" DSH growing in chain-link fence. Recommend complete removal. Cal IPC invasiveness rating: moderate.
9913-1	9913 Rio Hondo Pkwy	*Sambucus sp.*	Elderberry	24	5	10	1	1	N	Y	Growing at chain-link fence. Entwined with Ailanthus. Topped at 8 feet. Deadwood. Epicormic growth. Recommend removal.
9913-2	9913 Rio Hondo Pkwy	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	6-14	N/A	Varies	1	1	N	Y	Grouping of Ailanthus, 5 or more, sizes vary between 6-14" DSH growing in chain-link fence. Group is topped around 8 feet above grade. Recommend complete removal. Cal IPC invasiveness rating: moderate.
3215	3215 Merced	*Ailanthus altissima* (thicket)	Chinese Tree of Heaven	6-24	N/A	Varies	1	1	N	Y	Grouping of Ailanthus within Ivy, 5 or more, sizes vary between 6-24" DSH growing in chain-link fence. Recommend complete removal. Cal IPC invasiveness rating: moderate.
Total Inventoried Trees		**50**									

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Client CRAFTWATER / CITY OF EL MONTE

Project MERCED AVENUE STORMWATER CAPTURE PROJECT, CIP 003 PHASE 2

Title **6.** TREE LOCATION PLAN

Size ANSI B

Project No.	Date	Scale	Sheet No.
12635883	01/24/2025	AS SHOWN	9

Plot Date: 23 January 2025 - 2:22 PM Plotted By: Nate Oakley Filename: C:\Users\noakley\OneDrive - GHD\Desktop\Current Arborist Projects\12635883 El Monte Craftwater Merced Ave Stormwater_ACAD\12635883_ElMonteStormwater_TreePoints.dwg

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APPENDIX B1
Jurisdiction Delineation

Merced Avenue Stormwater Capture Project

Delineation of Jurisdictional Waters



City of El Monte
Los Angeles County, California

Submitted To:
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Colton, CA 92324

Prepared By:
Osprey Environmental Associates, Inc.
Temecula, CA

April 2026

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1.0 Introduction

This report presents the results of a jurisdictional waters delineation conducted for the Merced Avenue Stormwater Capture Project (Project) located in the City of El Monte (City), Los Angeles County, California. The purpose of this delineation is to identify and characterize potential jurisdictional aquatic resources within the Project area and to evaluate their regulatory status under applicable federal and State regulations.

This report documents the methods, findings, and conclusions of the jurisdictional evaluation and provides the basis for determining whether the Project may require authorization from regulatory agencies.

Figures referenced in this report are provided in Attachment A.

1.1 Project Description

The Project involves improvements to an existing City-owned storm drain system currently configured as a concrete-lined open channel. Existing site conditions include a fully developed drainage corridor with a concrete channel, paved access, and associated stormwater infrastructure.

Proposed improvements include replacement of the existing open concrete channel with a subsurface reinforced box culvert, along with installation of a diversion structure to route dry-weather flows and a portion of wet-weather flows to a stormwater capture system. Diverted flows will be pretreated and conveyed to a vegetated bioswale for infiltration and treatment prior to discharging back into the box culvert downstream. The bioswale will be supported by a subsurface passive irrigation system to enhance infiltration and vegetation establishment.

Additional improvements include construction of a shared-use path above the culvert, raised crosswalks at roadway crossings, installation of pedestrian gates, lighting, and perimeter fencing.

Construction activities will occur within the existing storm drain corridor and associated infrastructure and will include excavation, structural installation, and site restoration associated with the proposed improvements.

1.2 Project Location

The Project encompasses approximately 2.56 acres and includes approximately 0.35 miles of channel located within six irregularly shaped parcels subject to a drainage easement (Assessor's Parcel Numbers [APNs] 858-100-9900, 858-101-0900, 858-101-1902, 858-101-0033, 858-100-9902, and 858-100-9903).

The Project site is situated within a fully developed, urbanized area in the southwestern portion of the City of El Monte. Surrounding land uses consist primarily of residential development, with low-density residential areas to the north and medium-density residential areas to the south.

Regionally, the site is located approximately 0.35 miles south of Interstate 10 and approximately 0.91 miles east of Rosemead Boulevard (Figure 1 – Regional Map). The Project lies within Section 20, Township 1 South, Range 11 West, as depicted on the USGS El Monte 7.5-minute quadrangle (Figure 2 – USGS Map).

Site elevations average approximately 250 feet above mean sea level (AMSL), with slightly higher elevations toward the eastern portion of the site and a gradual decrease toward the west.

2.0 Regulatory Framework

2.1 Federal Statutes and Regulations – U.S. Army Corps of Engineers (USACE) and U.S. Environmental Protection Agency (EPA)

Under Section 404 of the Clean Water Act (CWA), the U.S. Army Corps of Engineers (USACE), with oversight from the U.S. Environmental Protection Agency (EPA), regulates the discharge of dredged or fill material into "Waters of the United States" (WOTUS).

On May 25, 2023, the U.S. Supreme Court issued its decision in Sackett v. EPA, which significantly narrowed the scope of federal jurisdiction by eliminating the "significant nexus" standard. The Court determined that WOTUS includes only relatively permanent, standing or continuously flowing bodies of water (e.g., streams, rivers, and lakes), and wetlands that have a direct, continuous surface connection to such waters, such that they are indistinguishable from the adjacent waterbody.

In response, the EPA and USACE issued a conforming rule on September 8, 2023 (40 CFR §120.2 and 33 CFR §328.3), to align the regulatory definition of WOTUS with the Court's decision. Under the current framework, WOTUS generally include:

- Traditional navigable waters, interstate waters, and the territorial seas;
- Relatively permanent tributaries and impoundments of such waters; and
- Adjacent wetlands that maintain a continuous surface connection to relatively permanent waters.

Ephemeral features that flow only in direct response to precipitation, as well as wetlands lacking a continuous surface connection to jurisdictional waters, are generally not subject to federal jurisdiction.

Federal Wetland Definition

Under 33 CFR §328.3 and the 1987 USACE Wetland Delineation Manual (including applicable Regional Supplements), wetlands are defined as:

"Those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions."

Three parameters must be present under normal conditions for a feature to be classified as a wetland:

- Hydrophytic Vegetation – plant species adapted to saturated soil conditions dominate the plant community;
- Wetland Hydrology – evidence of sustained inundation or soil saturation during the growing season; and
- Hydric Soils – soils exhibiting anaerobic conditions due to prolonged saturation (e.g., gleying or mottling).

A wetland is considered federally jurisdictional only if these criteria are met and the feature has a direct, continuous surface connection to a jurisdictional water.

Federal Non-Wetland Waters

The USACE also regulates certain non-wetland waters that do not exhibit all three wetland criteria but are otherwise jurisdictional. These include:

- Perennial and intermittent streams;
- Lakes and ponds;
- Impoundments of jurisdictional waters; and
- Relatively permanent tributaries connected to traditional navigable waters.

Non-wetland waters are delineated primarily using Ordinary High Water Mark (OHWM) indicators and channel morphology, rather than vegetation or soil characteristics.

Jurisdictional Delineation Considerations

Under the current regulatory framework, only wetlands that are directly connected to and indistinguishable from jurisdictional waters are considered federally regulated. Wetlands

separated by uplands, roads, berms, or similar features, as well as isolated wetlands and ephemeral drainage features, are generally not subject to federal jurisdiction.

2.2 State Statutes and Regulations – Regional Water Quality Control Board

In California, the State Water Resources Control Board (SWRCB) and Regional Water Quality Control Boards (RWQCBs) implement both federal and state water quality laws. Under the Porter-Cologne Water Quality Control Act (California Water Code §13000 et seq.), the state asserts jurisdiction over all "Waters of the State", which include both federally jurisdictional waters and non-federal features such as isolated wetlands, ephemeral drainages, and groundwater. Engineered storm drain and flood control channels may be considered Waters of the State where they convey surface flows, although permitting requirements depend on the nature and extent of proposed modifications.

Section 401 Water Quality Certification

Under Section 401 of the CWA, any applicant for a federal Section 404 permit must obtain a Water Quality Certification from the appropriate state agency to demonstrate compliance with state water quality standards. In California, the Water Boards issue 401 Certifications to ensure compliance with state water quality standards. Where no federal permit is required, projects may instead be regulated under Waste Discharge Requirements (WDRs) pursuant to the Porter-Cologne Act. The USACE cannot issue a Section 404 permit until a 401 Certification is issued or waived.

Porter-Cologne Water Quality Control Act

The Porter-Cologne Act provides the state's primary legal authority for regulating water quality. It defines "Waters of the State" as:

"Any surface water or groundwater, including saline waters, within the boundaries of the state" (California Water Code §13050[e]).

Any project that discharges waste into these waters—regardless of federal jurisdiction—must obtain authorization under a WDR, Conditional Waiver, or General Order issued by the RWQCB.

State Wetland Definition and Procedures

In 2019, the State Water Board adopted the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State ("State Wetland Procedures"; CWB 2019). These rules apply to all Water Board-administered permits and certifications involving dredge or fill in Waters of the State.

The Procedures include:

A formal state wetland definition;

- A process for wetland delineation and assessment;
- A framework for determining wetland jurisdiction under state law;
- Application procedures for projects involving dredge/fill impacts to state waters.

Under the Procedures, a feature is considered a wetland if:

1. It is saturated or inundated under normal conditions;
2. Saturation causes anaerobic conditions in the upper substrate;
3. The area is dominated by hydrophytic vegetation, or lacks vegetation due to natural causes.

This approach is similar to the federal three-parameter method but allows for jurisdiction over unvegetated wetlands with less than 5% vegetative cover, provided the hydrology and soil conditions are met. The 1987 USACE Manual and Regional Supplements remain the standard for delineating vegetated wetlands. Non-wetland waters are typically delineated based on the OHWM, which defines the lateral extent of Waters of the State.

2.3 State Statutes and Regulations – California Department of Fish and Wildlife

The California Department of Fish and Wildlife (CDFW) has jurisdiction under Fish and Game Code (FGC) Sections 1600–1617 to regulate activities that alter the bed, bank, or channel of any river, stream, or lake. Projects that may impact these features must notify CDFW and, if required, enter into a Lake or Streambed Alteration Agreement (LSA Agreement).

CDFW defines a stream as:

"*A body of water that flows at least periodically or intermittently through a bed or channel and supports fish or other aquatic life, including subsurface flows that support riparian vegetation*."

CDFW's jurisdiction is not limited by federal definitions of WOTUS or wetlands. Features that have historical flow, persistent channel morphology, or support riparian or aquatic species may be regulated even if dry at the time of survey.

A lake includes both natural lakes and artificial impoundments (e.g., reservoirs, ponds) that support fish or wildlife.

Per FGC §§45 and 711.2(a), fish and wildlife include all wild animals, plants, and their habitats. CDFW's jurisdiction therefore extends to:

- Riparian corridors;
- Freshwater and brackish wetlands;
- Vernal pools;
- Other ecological communities vital to species viability.

Jurisdictional Triggers

CDFW may require notification and permitting for activities that:

- Divert or obstruct surface or subsurface flows;
- Excavate, fill, or grade within a stream or wetland;
- Remove or damage riparian vegetation.

CDFW jurisdiction can be broader than federal jurisdiction and is evaluated based on site-specific conditions, including channel characteristics and ecological features.

3.0 Methods

3.1 Project Research (Desktop Analysis)

To evaluate the potential for jurisdictional waters within the proposed Project site and vicinity, OSPREY reviewed relevant desktop resources and publicly available data. These sources included the:

- U.S. Geological Survey (USGS) 7.5-minute El Monte topographic quadrangle map (USGS 2026a).
- Natural Resources Conservation Service (NRCS) Web Soil Survey data (NRCS 2026).
- Google aerial imagery (Google Earth 2026).
- National Hydrography Dataset (NHD) (USGS 2026b).
- U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) (USFWS 2026).

These materials were reviewed to identify mapped hydrologic features, topography, drainage patterns, and soil conditions indicative of potential waters and wetlands subject to federal, state, or local jurisdiction.

3.2 Jurisdictional Aquatic Delineation (Field Analysis)

On March 15, 2026, OSPREY conducted a formal delineation of jurisdictional aquatic resources within the Project site and an adjacent 50-foot buffer. The assessment was completed on foot by qualified biologists and followed standard regulatory guidance to evaluate the presence and extent of potentially jurisdictional features. The delineation addressed the following resource types:

- WOTUS, including wetlands, potentially subject to USACE jurisdiction under Section 404 of the Clean Water Act (CWA);
- Waters and wetlands of the State, as defined under the State Wetland Definition and Procedures and regulated by the RWQCB pursuant to the Porter-Cologne Water Quality Control Act;
- Streambeds potentially subject to regulation by the CDFW under Fish and Game Code §1602.

Non-wetland waters were delineated based on the presence of an OHWM, using the methodology described in *A Field Guide to the Identification of the OHWM in the Arid West Region of the Western United States* (ACOE 2008a).

Wetlands were delineated in accordance with the 1987 USACE Wetlands Delineation Manual and the Arid West Regional Supplement (ACOE 2008b), which require the presence of hydrophytic vegetation, wetland hydrology, and hydric soils under normal circumstances. For State wetland determinations, the delineation approach was applied consistent with the State Wetland Procedures, which allow for identification of unvegetated wetlands based on hydrology and hydric soil conditions.

CDFW jurisdictional limits were assessed based on the extent of the channel bed and banks, typically defined from top-of-bank to top-of-bank, or to the outer extent of riparian vegetation where present, consistent with Fish and Game Code §1602.

Representative site photographs are provided in Attachment B.

4.0 Environmental Setting

4.1 Existing Conditions

The Project site is fully developed and situated within a highly urbanized environment. Surrounding land uses are primarily composed of established single-family residential development to the north and south, with paved roadways and associated infrastructure bordering the site to the northeast and northwest.

The Project area is characterized by a constructed drainage corridor consisting of a concrete-lined channel with adjacent paved access and maintenance features (Figure 3 - Aerial Map).

4.2 Hydrology

The Project site is located within the Rio Hondo Watershed in Los Angeles County, California. The Rio Hondo Watershed is part of the larger Los Angeles River Watershed, which ultimately drains to the Pacific Ocean.

Surface flows within the Project area are conveyed through a highly engineered storm drain system that discharges to the Rio Hondo. The Rio Hondo is a predominantly concrete-lined flood control channel that conveys urban runoff through a heavily modified drainage network before joining the Los Angeles River.

The Project reach represents a fully developed segment of this system, characterized by artificial channelization, limited natural hydrologic function, and conveyance of primarily storm-generated flows.

4.3 Vegetation and Land Cover

The Project site is primarily composed of Urban/Developed Land, reflecting extensive modification by human activity such that native vegetation is no longer supported (Figure 4 – Land Cover). Existing conditions include a constructed drainage corridor consisting of a concrete-lined channel, paved access, and other hardscape features, along with maintained landscaped areas supporting primarily ornamental, non-native species.

No natural vegetation communities, including riparian or wetland vegetation, are present within the Project site. The drainage corridor lacks native plant assemblages, hydrophytic vegetation, and habitat features typically associated with jurisdictional aquatic or riparian systems.

Vegetation within the channel is sparse and discontinuous, occurring only in disturbed microsites (e.g., cracks and seams in the concrete lining). These areas support opportunistic, non-native ruderal species such as shortpod mustard (*Hirschfeldia incana*) and brome grasses (*Bromus* spp.).

Areas beyond the upper constructed banks support a limited assemblage of non-native upland species, including ripgut brome (*Bromus diandrus*) and cheeseweed (*Malva parviflora*), consistent with compacted and highly disturbed substrates. Vegetation cover is patchy and lacks the structural and compositional characteristics of native plant communities. Scattered ornamental trees occur along the periphery of the Project site as part of maintained landscaping and do not represent natural or semi-natural habitat.

Overall, the Project site lacks native vegetation communities, riparian corridors, and ecological features that would support jurisdictional resources under the CDFW.

4.4 Soils

According to the NRCS Web Soil Survey, mapped soils within the Project area are composed of Urban land–Pico–Metz complex, 0 to 2 percent slopes, and Urban land–Tujunga–Typic Xerorthents, sandy substratum complex, 0 to 2 percent slopes. Under natural conditions, these soils are generally well-drained and are not associated with hydric soil formation.

Existing site conditions are dominated by the fully engineered drainage corridor, including a concrete-lined channel and associated infrastructure, which obscure or replace native soil profiles within the Project area. As a result, soil characteristics are not expressed at the surface within the channel and are limited in adjacent disturbed areas.

4.5 National Wetlands Inventory

A review of the USFWS NWI was conducted for the Project area. According to the NWI mapper, the drainage feature within the Project site is mapped as Riverine Intermittent, Streambed, Temporarily Flooded, Excavated (R4SBAx) (USFWS 2026).

The NWI classification indicates an intermittently flowing riverine feature consisting of a streambed that is temporarily flooded and has been modified through excavation. This designation is consistent with a constructed stormwater conveyance channel that conveys stormwater flows and lacks persistent surface water.

It is important to note that NWI mapping is intended for general resource identification and does not constitute a jurisdictional determination. Field observations conducted during the jurisdictional delineation confirmed that the mapped feature is a concrete-lined storm drain characterized by ephemeral hydrology and the absence of wetland indicators, including hydrophytic vegetation, hydric soils, and wetland hydrology.

Therefore, while the NWI mapping identifies the feature as a riverine system, site-specific conditions reflect a highly modified stormwater conveyance system.

5.0 Jurisdictional Delineation Results

5.1 Drainage Feature Description

One drainage feature was identified within the Project area (Figure 5 – Jurisdictional Delineation Map). The drainage feature is composed of a fully engineered, concrete-lined channel configured as a trapezoidal, concrete-lined storm drain designed to convey urban

runoff. The feature extends approximately 1,941 linear feet within the Project site and averages approximately 20 feet in width from top-of-bank to top-of-bank.

The channel exhibits a defined bed and bank; however, these features are entirely artificial and constructed of concrete. The channel bottom is predominantly smooth and impervious. Vegetation within the channel is sparse and limited to isolated occurrences of non-native upland ruderal species established in cracks or seams within the concrete lining.

Hydrologically, the feature conveys stormwater runoff generated from the surrounding urban drainage network. Flow enters the Project site from the east via an upstream concrete box culvert, travels westward through the constructed channel, and exits the site through three corrugated steel culverts housed within a downstream concrete structure. No evidence of sustained or relatively permanent flow was observed during the field assessment. The feature is characterized by ephemeral hydrology, with flow occurring only in response to precipitation events and ceasing shortly thereafter.

5.2 Ordinary High Water Mark (OHWM) Determination

The OHWM for the drainage feature was delineated based on physical indicators consistent with guidance provided in the Arid West OHWM Manual (ACOE 2008a).

Due to the fully artificial nature of the channel, natural OHWM indicators are limited. The OHWM was identified primarily based on observable changes in surface texture and water staining along the concrete sidewalls, which reflect the upper limits of routine flow within the channel. No debris wrack, sediment deposition patterns, or other natural indicators were observed.

Based on these indicators, the OHWM width of the drainage feature averages approximately 12 feet, corresponding closely with the engineered channel configuration. The total area of waters delineated below the OHWM within the Project site is approximately 0.54 acres.

An OHWM Datasheet is provided in Attachment C.

6.0 Impacts to Jurisdictional Resources

6.1 Waters of the State (RWQCB)

The drainage feature is considered a non-wetland Waters of the State subject to regulation by the RWQCB under the Porter-Cologne Water Quality Control Act. The feature conveys stormwater runoff within a defined engineered channel and exhibits a delineable OHWM based on physical indicators observed during the field assessment.

The Project proposes replacement of the existing open concrete-lined channel with a subsurface box culvert and associated stormwater infrastructure within the existing drainage corridor. For purposes of State jurisdictional impact accounting, impacts are defined relative to the delineated OHWM, which establishes the lateral extent of non-wetland Waters of the State. Permanent impacts include those portions of the channel below the OHWM that will be permanently altered or structurally modified under the final design.

Based on the current design, the Project will result in approximately 0.54 acres (1,941 linear feet) of permanent impacts to Waters of the State (Figure 6 – RWQCB Jurisdictional Waters Impacts). No temporary impacts to Waters of the State are proposed. Permanent impacts are confined to the existing engineered channel prism and do not extend into natural stream, wetland, or riparian habitat. Temporary construction-related disturbance may occur outside of the jurisdictional limits; however, these areas are located in uplands and are not subject to RWQCB jurisdiction.

The Project will convert the existing open channel to a subsurface conveyance; however, stormwater flow will continue to be conveyed through the system following construction. The Project does not eliminate the drainage feature but instead modifies its configuration within the existing channel footprint. Accordingly, impacts represent permanent structural modification of Waters of the State within an existing engineered conveyance system, rather than a loss of aquatic function or drainage capacity.

A summary of jurisdictional impacts is provided in Table 1.

Table 1. Jurisdictional Impacts Summary

Feature	Jurisdictional Resource	Permanent Impacts (acres)	Temporary Impacts (acres)	Permanent Impacts (LF)	Temporary Impacts (LF)
Drainage Feature	RWQCB – Waters of the State	**0.54**	**0.00**	**1,941**	**0.00**

6.2 U.S. Army Corps of Engineers (USACE)

Based on field observations and application of the current federal definition of WOTUS, the drainage feature does not meet the criteria for federal jurisdiction.

The feature exhibits ephemeral hydrology, with flow occurring only in response to precipitation events, and does not support relatively permanent, standing, or continuously flowing water. No indicators of sustained surface water, seasonal base flow, or wetland

hydrology were observed during the field assessment. Additionally, no wetlands are present within the Project area, and the drainage feature does not maintain a continuous surface connection to a relatively permanent waterbody.

Under the post-Sackett v. EPA regulatory framework and the 2023 conforming rule (33 CFR §328.3), federal jurisdiction is limited to relatively permanent waters and wetlands that are indistinguishable from such waters due to a continuous surface connection. The subject drainage feature does not meet these criteria and is therefore not subject to federal jurisdiction.

Accordingly, the Project is not expected to result in impacts to federally jurisdictional waters under Section 404 of the Clean Water Act.

6.3 California Department of Fish and Wildlife (CDFW)

CDFW jurisdiction is not anticipated within the Project reach based on existing site conditions. The drainage consists of a fully engineered concrete-lined storm drain lacking natural substrate, riparian vegetation, wetland vegetation, or geomorphic characteristics formed by natural processes. Vegetation is sparse, discontinuous, and limited to isolated occurrences of non-native ruderal species rooted in cracks or seams within the concrete. No riparian corridor, aquatic habitat, or natural channel morphology is present.

Although CDFW jurisdiction may extend to certain modified or ephemeral channels, the Project reach functions as an artificial urban conveyance structure rather than a natural stream system. Based on the absence of biological and geomorphic indicators typically associated with CDFW-regulated streambeds, jurisdiction under Fish and Game Code §1602 is not anticipated.

CDFW retains final authority regarding jurisdictional determinations; however, based on field observations, no impacts to CDFW-regulated resources are expected.

6.4 Summary of Anticipated Permitting Implications

Based on the delineation results and current Project design, the Project is expected to result in impacts only to RWQCB-jurisdictional Waters of the State. No impacts to federally jurisdictional waters are anticipated, and CDFW jurisdiction is not expected within the Project limits.

Accordingly, the primary regulatory consideration for the Project is anticipated to be authorization from the RWQCB for permanent impacts to Waters of the State totaling approximately 0.54 acres.

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Attachment A

Report Figures



Figure 1 Regional Map

Merced Avenue Stormwater Capture Project

OSPREY ENVIRONMENTAL ASSOCIATES

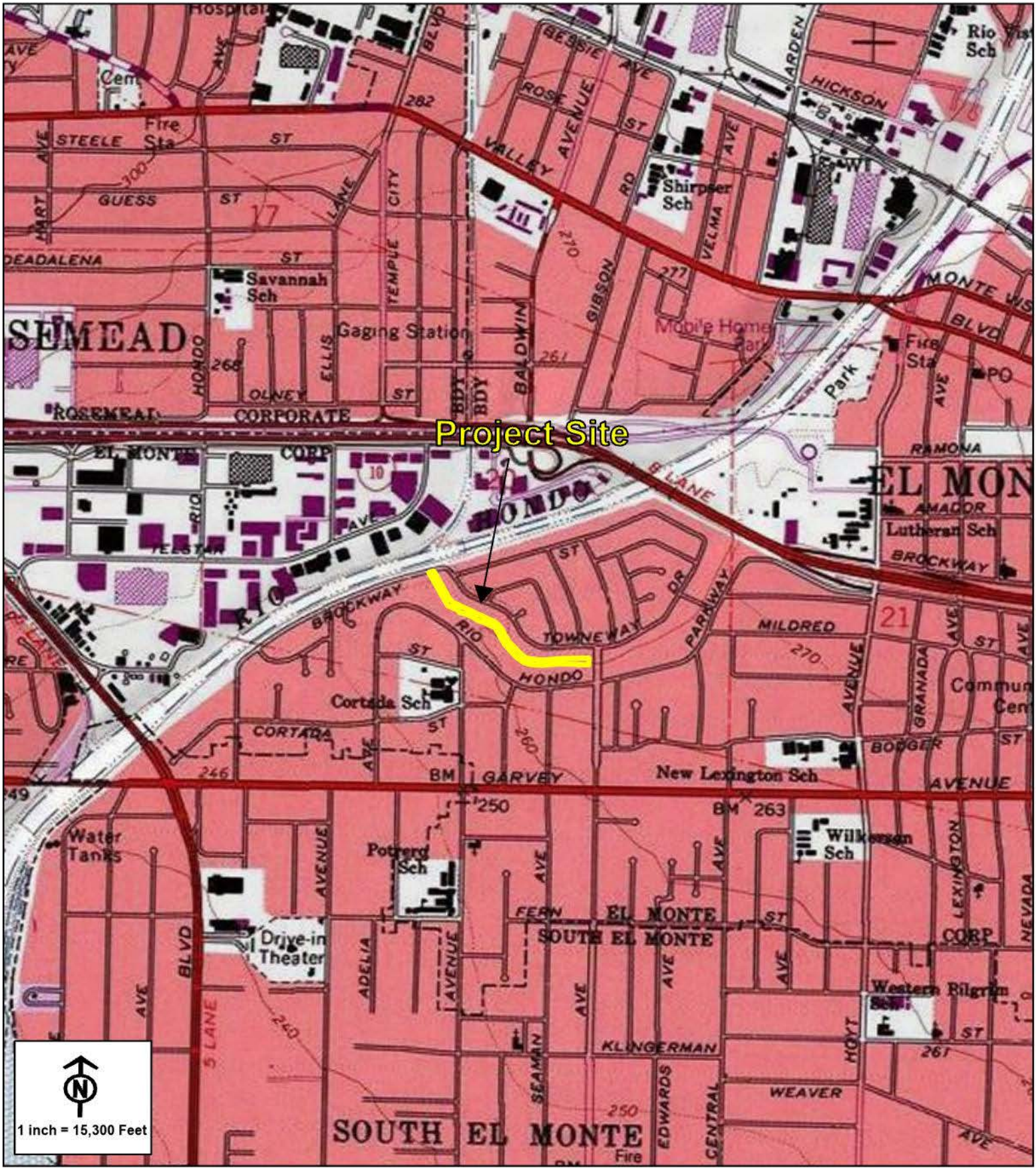
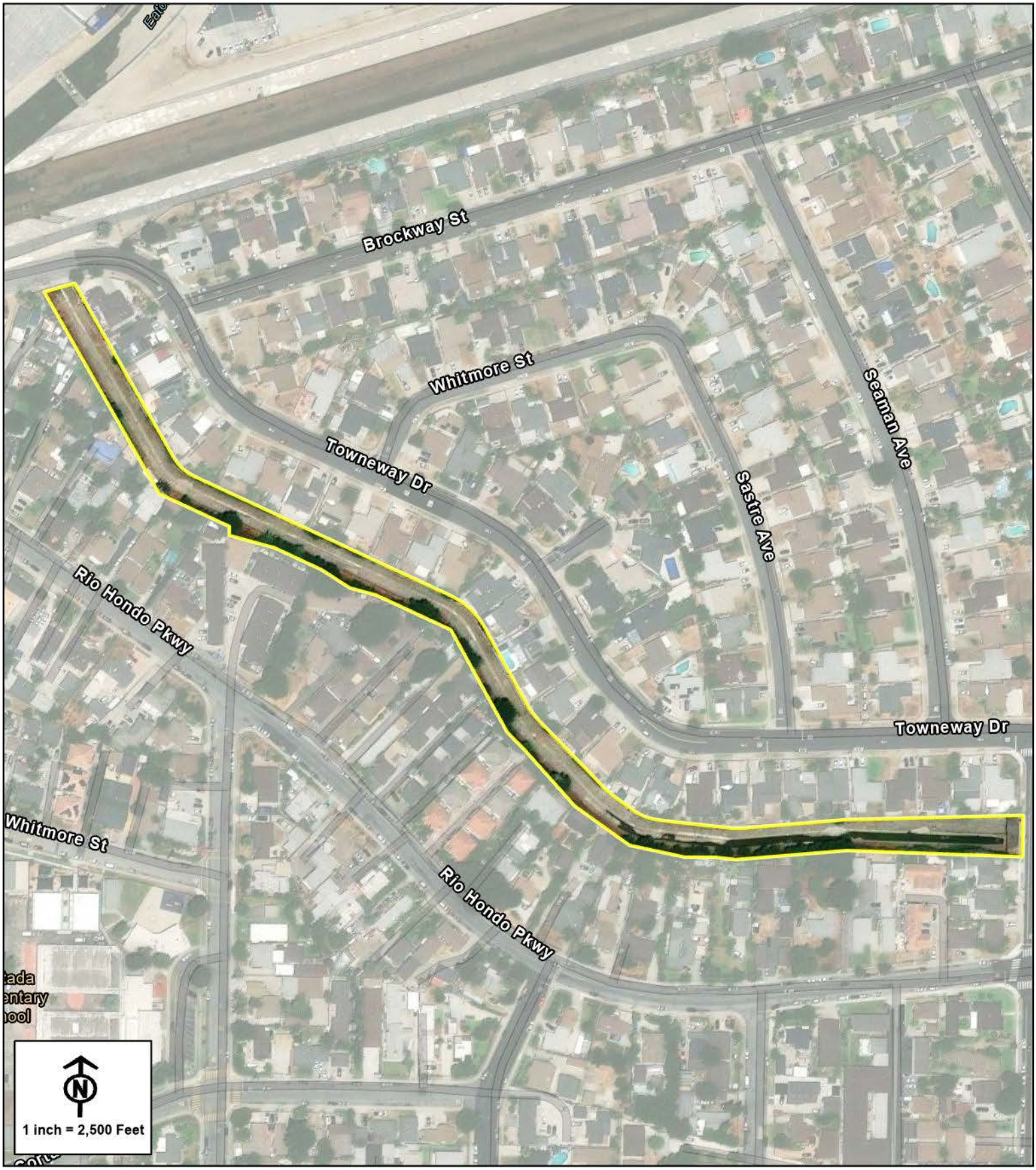


Figure 2 USGS Map

Merced Avenue Stormwater Capture Project

OSPREY ENVIRONMENTAL ASSOCIATES

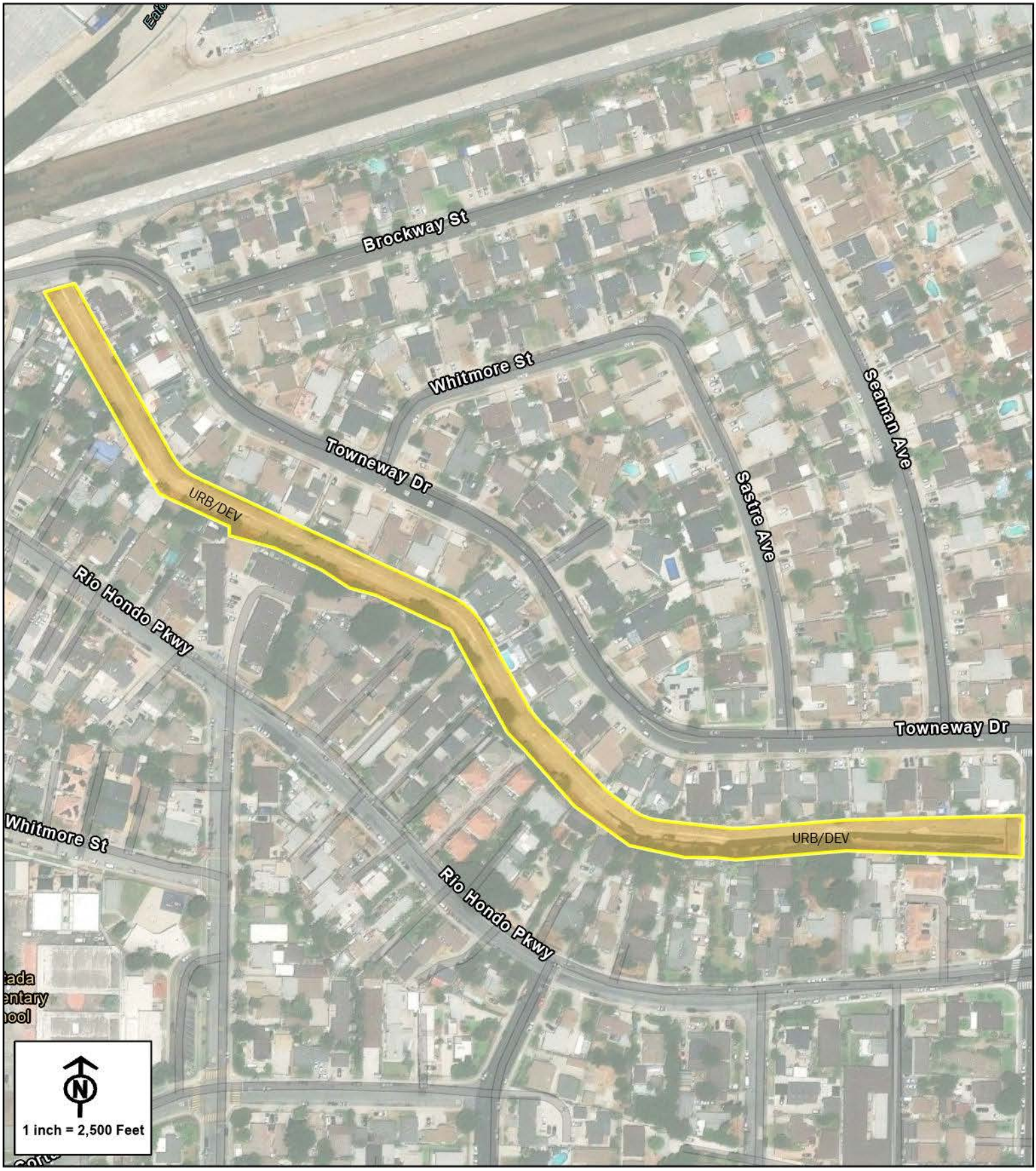


Project Site

Figure 3 Aerial Map

Merced Avenue Stormwater Capture Project

OSPREY ENVIRONMENTAL ASSOCIATES



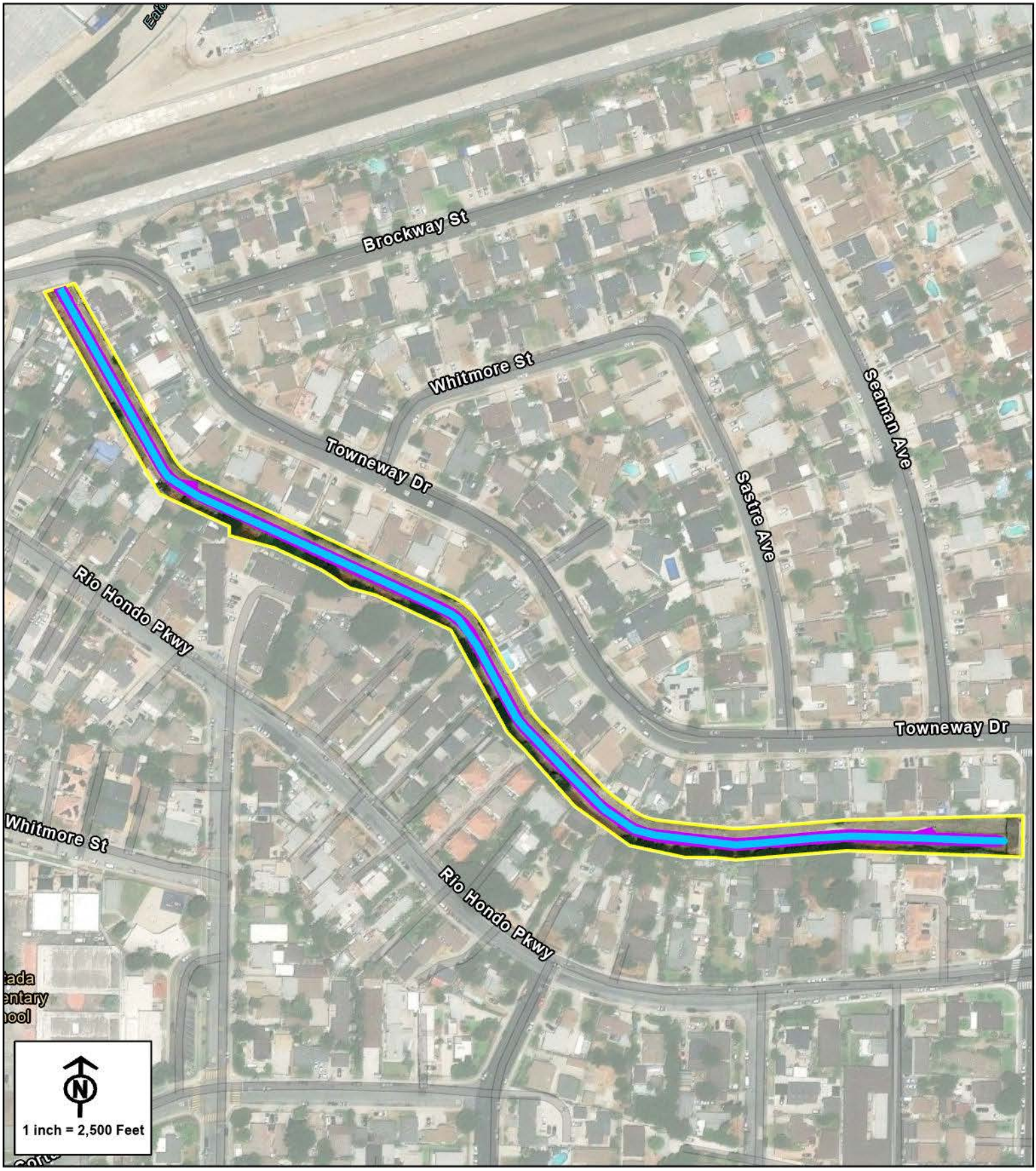
Project Site

URB/DEV Urban/Developed

Figure 4 Land Cover

Merced Avenue Stormwater Capture Project

OSPREY ENVIRONMENTAL ASSOCIATES



Project Site

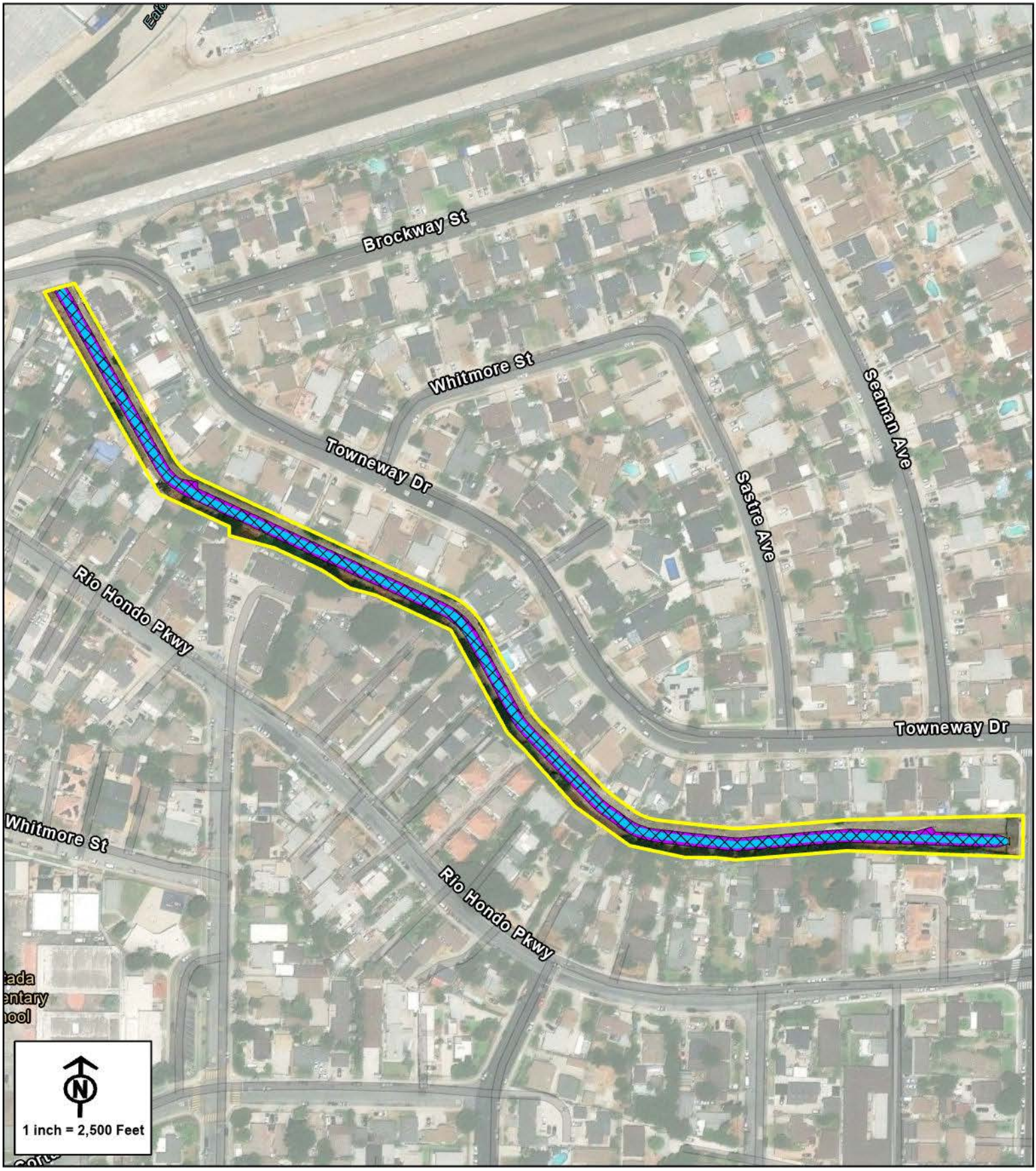
RWQCB Non-Wetland Waters

Channel (Bank to Bank)

Figure 5 Jurisdictional Delineation Map

Merced Avenue Stormwater Capture Project

OSPREY ENVIRONMENTAL ASSOCIATES



Project Site

RWQCB Non-Wetland Waters

Channel (Bank to Bank)

Permanent Impact

Figure 6 RWQCB Jurisdictional Waters Impacts

Merced Avenue Stormwater Capture Project

OSPREY ENVIRONMENTAL ASSOCIATES

Attachment B

Site Photographs

Attachment B
Project Site Photographs

Project Name: Merced Avenue Stormwater Capture Project
Project Location: City of El Monte, Los Angeles County, California
Date(s) of Photographs: March 25, 2026
Prepared By: OSPREY Environmental Associates, Inc.

Photo 1



Direction: West
Description: Channel with non-native upland vegetation on top of banks.

Photo 2



Direction: West
Description: Concrete box culvert with 3 corrugated steel culverts, flowing northwest.

Photo 3



Direction: Northeast
Description: OHWM delineated based on concrete staining, texture change/discoloration

Photo 4



Direction: Northwest
Description: Looking downstream. Non-native and ornamental trees present.

Photo 5



Direction: Northwest
Description: Upland exotic plant species growing in concrete seems/cracks

Photo 6



Direction: Northwest
Description: Looking downstream. No presence of wetland or riparian habitats.

Attachment C

OHWM Forms

Print Form | Save As | E-mail

U.S. Army Corps of Engineers (USACE)

RAPID ORDINARY HIGH WATER MARK (OHWM) FIELD IDENTIFICATION DATA SHEET

The proponent agency is Headquarters USACE CECW-CO-R.

OMB Control No. 0710-XXXX
Approval Expires:

Project ID #:	Site Name: Merced Avenue Stormwater Capture	Date and Time: 3/15/2026 1200pm
Location (lat/long): 34.066296, -118.05374	Investigator(s): Marshall Paymard	

Step 1 Site overview from remote and online resources
Check boxes for online resources used to evaluate site:

- [ ] gage data
- [ ] LiDAR
- [x] geologic maps
- [ ] climatic data
- [x] satellite imagery
- [ ] land use maps
- [x] aerial photos
- [x] topographic maps
- [ ] Other: _____

Describe land use and flow conditions from online resources.
Were there any recent extreme events (floods or drought)?

Channel is engineered stormwater conveyar system

Step 2 Site conditions during field assessment

First look for changes in channel shape, depositional and erosional features, and changes in vegetation and sediment type, size, density, and distribution. Make note of natural or man-made disturbances that would affect flow and channel form, such as bridges, riprap, landslides, rockfalls etc.

Channel engineered concrete with bed/bank. Channel receives flow from east via box culvert and flo northwest, eventually egressing via box culvert with three corrugated steel culverts.

Step 3 Check the boxes next to the indicators used to identify the location of the OHWM.

OHWM is at a transition point, therefore some indicators that are used to determine location may be just below and above the OHWM. From the drop-down menu next to each indicator, select the appropriate location of the indicator by selecting either just below `b', at `x', or just above `a' the OHWM.

OHWM. Go to page 2 to describe overall rationale for location of OHWM, write any additional observations, and to attach a photo log.

Geomorphic indicators

- [x] **Break in slope:**
  - [x] *on the bank:* b
  - [ ] *undercut bank:*
  - [ ] *valley bottom:*
  - [ ] Other: _____
- [ ] **Shelving:**
  - [ ] *shelf at top of bank:*
  - [ ] *natural levee:*
  - [ ] *man-made berms or levees:*
  - [ ] *other berms:* _____
- [ ] **Channel bar:**
  - [ ] *shelving (berms) on bar:*
  - [x] *unvegetated:*
  - [ ] *vegetation transition (go to veg. indicators)*
  - [ ] *sediment transition (go to sed. indicators)*
  - [ ] *upper limit of deposition on bar:*
- [ ] **Instream bedforms and other bedload transport evidence:**
  - [ ] *deposition bedload indicators (e.g., imbricated clasts, gravel sheets, etc.)*
  - [ ] *bedforms (e.g., poofs, riffles, steps, etc.):*
  - [ ] *erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)*
- [ ] **Secondary channels:**

Sediment indicators

- [ ] **Soil development:**
- [ ] **Changes in character of soil:**
- [ ] **Mudcracks:**
- [ ] **Changes in particle-sized distribution:**
  - [ ] *transition from* _____ to _____
  - [ ] *upper limit of sand-sized particles*
  - [ ] *silt deposits:*

Vegetation Indicators

- [ ] **Change in vegetation type and/or density:**

Check the appropriate boxes and select the general vegetation change *(e.g., graminoids to woody shrubs).* ***Describe the vegetation transition looking from the middle of the channel, up the banks, and into the floodplain.***

- [ ] *vegetation absent to:*
- [ ] *moss to:*
- [ ] *forbs to:*
- [ ] *graminoids to:*
- [ ] *woody shrubs to:*
- [ ] *deciduous trees to:*
- [ ] *coniferous trees to:*
- [ ] **Vegetation matted down and/or bent:**
- [ ] **Exposed roots below intact soil layer:**

Ancillary indicators

- [ ] **Wracking/presence of organic litter:**
- [ ] **Presence of large wood:**
- [ ] **Leaf litter disturbed or washed away:**
- [x] **Water staining:** b
- [ ] **Weathered clasts or bedrock:**

Other observed indicators?

Describe:

water_staining_

Step 4 Is additional information needed to support this determination?

- [ ] Yes
- [x] No

If yes, describe and attach information to datasheet:

Print Form | Save As | E-mail

Project ID #:

Step 5 Describe rationale for location of OHWM

Water_staining_and_concrete_texture_discoloration

Additional observations or notes

Attach a photo log of the site. Use the table below, or attach separately.

Photo log attached? ☐ Yes ☒ No If no, explain why not: See_report_for_photos

List photographs and include descriptions in the table below.

Number photographs in the order that they are taken. Attach photographs and include annotations of features.

Photo Number	Photograph description

APPENDIX C
Cultural Resource Assessment

DUKE CRM

18 Technology Dr., Ste. 103
Irvine, CA 92618
949-356-6660
www.dukecrm.com

March 17, 2026

Mandi Needle
CASC Engineering & Consulting
1470 East Cooley Drive
Walnut, CA 91789

Subject: Cultural Resource Services for the Merced Avenue Stormwater Capture CIP 003 Phase 2 Project, City of El Monte, Los Angeles County, California

Dear Ms. Needle:

At the request of CASC Engineering and Consulting (CLIENT), Duke Cultural Resources Management, LLC (DUKE CRM), has prepared a cultural resources assessment for the Merced Avenue Stormwater Capture CIP 003 Phase 2 Project (Project), in the City of El Monte, Los Angeles County, California (Project). The City of El Monte (City) is the lead agency for the California Environmental Quality Act (CEQA). This letter report documents compliance with CEQA regarding cultural resources and to provide information to allow the City to determine whether the proposed Project would cause substantial impacts to archaeological or historical resources.

The Project is in Section 20 of Township 1 South, Range 11 West, as depicted on the *El Monte*, California, U.S. Geological Survey (USGS) 7.5-minute quadrangle (Figure 1), southeast of Rio Hondo, between Brockway Street and Merced Avenue, on Assessor's Parcel Numbers (APNs) 858-100-9900, 858-100-9902, 858-100-9903, 858-101-0033, 858-101-0900, and 858-101-1902, and measures approximately 2.56 acres (Figure 2). The proposed Project entails stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The maximum depth of disturbance for the Project is 5 feet below current grade.

Research

On December 11, 2025, DUKE CRM conducted a records search at the South Central Coastal Information Center (SCCIC). The SCCIC is part of the California Historical Resources Information System and is located at California State University, Fullerton. The records search included a review of all recorded cultural resources and reports within a ½-mile radius of the Project. The reports included archaeological and paleontological surveys, assessments, and inventories from various projects conducted previously within the Project and the surrounding ½-mile radius.

The SCCIC did not identify any cultural resources within the Project. However, two (2) cultural resources were identified within ½ mile of the Project (Table 1). The closest of these resources, P-19-187085, is the alignment of the Mojave Road, which according to historical documentation, existed in between Fort Drum in Wilmington, California, and Fort Mojave, Arizona. It is mapped approximately 1,350 feet north of the Project.

Table 1: Cultural Resources within ½ mile

Resource No.	Resource Type	Description	CRHR/NRHP Eligibility	Distance and Direction
P-19-187085	Historic Built Environment Resource	Mojave Road	Not evaluated	1350 feet north
P-19-190667	Historic Built Environment Resource	Commercial building	3S	1600 feet northwest

3S: Appears eligible for NR as an individual property through survey evaluation.

In addition, the SCCIC identified seven (7) cultural resource studies within ½ mile of the Project. These reports all consist of archaeological reconnaissance/investigation and inventories of the area, with many relating to proposed projects nearby. None of these reports documented cultural resources within the Project boundary.

A review of the Los Angeles County Built Environment Resources Directory (BERD) indicates that the El Monte Storm Drain has not been previously evaluated for the NRHP. The BERD was accessed on January 16, 2025.

Online Research

A review of historical aerial photographs and historical topographic maps was conducted using images on file with the USGS Historical Topographic Map Collection; and historicaerials.com. The 1901 1:250,000-scale Southern California Sheet No. 1, California, historical topographic map does not show any buildings within or adjacent to the Project area; however, the Southern California Railroad and roads in El Monte are beginning to develop. The 1948 1:24,000-scale Lake Arrowhead, California historical topographic map shows that El Monte neighborhoods south and west of the Project area are beginning to develop, and the El Monte Storm Drain is in place (https://ngmdb.usgs.gov/topoview/viewer, accessed January 5, 2026). The 1948 aerial shows buildings southwest of the Project area. However, the surrounding land to the northeast is agricultural or undeveloped. The 1964 aerial shows additional buildings northeast of the Project area. Additional buildings appear in surrounding parcels northwest of Rio Hondo in subsequent aerial photos, with development throughout the surrounding area occurring between 1964 and 1972. Much of the surrounding area was developed as it appears today by 1980 (historicaerials.com; accessed December 8, 2025).

Native American Consultation

An inquiry to the Native American Heritage Commission (NAHC) was submitted by the City to obtain the consultation list of tribes that are traditionally or cultural affiliated with the geographic area within the Project, and a response was received on November 19, 2025 The City initiated Assembly Bill 52 (AB-52) consultation outreach on November 24, 2025, with 16 individuals from four (4) Native American tribes on the NAHC list.

On December 8, 2025, Hereditary Chief Andrew Salas of the Gabrieleño Band of Mission Indians-Kizh Nation, emailed Kevin Ko, City of El Monte Consultant Project Manager, that the proposed Project is within a culturally sensitive landscape for the Tribe. A follow-up phone call was scheduled for January 22, 2026. No further information was available at the time of this report. No comments or requests to consult were received from any other tribes.

Please refer to Attachment 2 for copies of the Native American Consultation Record, a copy of the NAHC letter and correspondence with individuals and tribal organizations. Consultation is ongoing as of the date of this report.

Conclusions

DUKE CRM assessed the proposed Project for potential impacts to important cultural resources as defined under CEQA. No cultural resources have been previously recorded within the Project. The cultural resource records search identified two (2) historic era cultural resources recorded within a ½-mile radius of the Project, none of which will be impacted by the current Project. The El Monte Storm Drain was constructed in 1948, and any resources that may have been within the Project area prior to construction have likely been destroyed. AB-52 consultation is ongoing at the time of this report.

If previously unidentified cultural materials are unearthed during Project-related construction, work shall be halted in that area until the qualified archaeologist can assess the significance of the encountered materials. If human remains are encountered, *California Health and Safety Code* Section 7050.5 states that no further disturbance shall occur until the County Coroner has determined the origin and disposition of the remains, pursuant to *Public Resources Code* Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her/their authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC and may recommend scientific removal and nondestructive analysis of human remains and/or items associated with Native American remains/mortuary features.

DUKE CRM appreciates the opportunity to provide cultural services in support of this Project. If you have any questions or comments, please feel free to contact me by phone at (949) 356-6660 or by email at melissamacias@dukecrm.com.

Sincerely,

DUKE CULTURAL RESOURCES MANAGEMENT, LLC



Melissa Macias, M.S.
Principal Investigator/Paleontologist

Attachments
1. Project Maps
2. Native American Consultation Logs

ATTACHMENT 1

PROJECT MAPS

ATTACHMENT 2

NATIVE AMERICAN CONSULTATION LOGS

APPENDIX D
CEQA- Level Geologic and Geotechnical Review

Geotechnical Evaluation

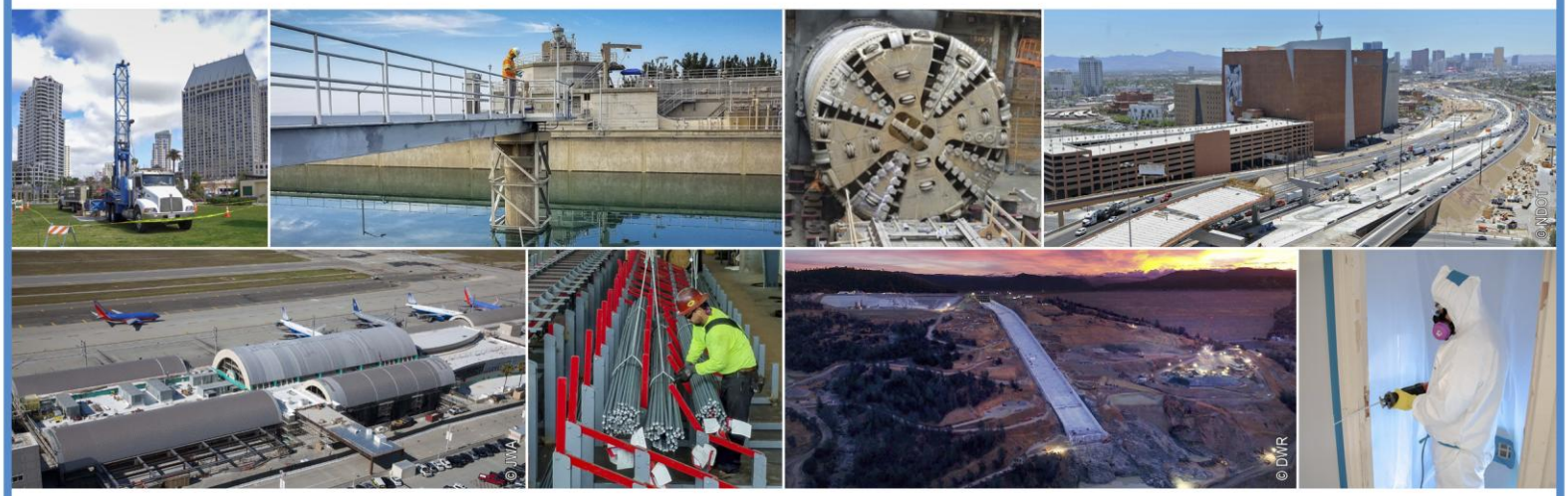
Merced Avenue Stormwater Capture Project

El Monte, California

Craftwater Engineering, Inc.

117 E. Colorado Avenue, Suite 550 | Pasadena, California 91105

April 18, 2025 | Project No. 212828001



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

35+ YEARS

Geotechnical Evaluation
Merced Avenue Stormwater Capture Project
El Monte, California

Ms. Courtney Semlow
Craftwater Engineering, Inc.
117 E. Colorado Avenue, Suite 550 | Pasadena, California 91105

April 18, 2025 | Project No. 212828001

Michael Putt, PG, CEG
Principal Geologist

MXM/MLP/SG/mlc

CERTIFIED ENGINEERING GEOLOGIST
MICHAEL LEWIS PUTT
No. 2341
STATE OF CALIFORNIA

Soumitra Guha, PhD, PE, GE
Principal Engineer

REGISTERED PROFESSIONAL ENGINEER
SOUMITRA GUHA
NO. GE 2632
GEOTECHNICAL
STATE OF CALIFORNIA

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3 – Regional Geology
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10 – Retaining Wall Drainage Detail

APPENDICES

A – Boring Logs
B – Laboratory Testing
C – Drum Characterization Test Results

1 INTRODUCTION

In accordance with your request and authorization, we have performed a geotechnical evaluation for the Merced Avenue Stormwater Capture Project located in El Monte, California (Figure 1). The project will consist of removing existing improvements from a section of the concrete-lined channel that crosses through a residential neighborhood between Merced Avenue and the Rio Hondo Channel. The proposed improvements include constructing a buried reinforced concrete box (RCB) culvert, a bioswale, and a pedestrian/bike trail along the existing channel alignment to allow the capture, treatment, and onsite infiltration of stormwater using new Best Management Practices (BMPs). The purpose of our study was to evaluate the subsurface soil and geologic conditions at the site, including the infiltration rates of the on-site soils, in order to provide geotechnical recommendations for the design and construction of the proposed RCB culvert and BMPs. Our evaluation was performed in general accordance with our referenced proposal dated March 1, 2024. This report presents our findings, conclusions, and geotechnical recommendations for the project.

2 SCOPE OF SERVICES

Our scope of services included the following:

- Project coordination and planning with client and City representatives, including attendance at a project kick-off meeting.
- Review of readily available background materials, including published topographic maps, geologic maps, fault and seismic hazard maps, groundwater data, aerial photographs, in-house geotechnical information, and other reports provided by the client.
- Acquisition of a Los Angeles County Environmental Health Department (LACEHD) permit for borings deeper than 10 feet below the ground surface.
- Acquisition of a City of El Monte encroachment permit.
- Field reconnaissance to observe and document the site conditions and mark proposed boring locations for underground utility clearance by Underground Service Alert.
- Subsurface exploration consisting of the drilling, sampling, and logging of seven hollow-stem auger borings ranging in depth from approximately 10 to 51.5 feet.
- Field percolation testing in four of the borings in general accordance with the 2021 County of Los Angeles Department of Public Work's (CLADPW) Guidelines for Geotechnical Investigation and Reporting Low Impact Development Stormwater Infiltration.
- Geotechnical laboratory testing of representative soil samples to evaluate in-situ moisture content and dry density, percentage of particles finer than the No. 200 sieve, Atterberg limits, expansion index, consolidation, direct shear strength, and soil corrosivity.
- Data compilation and engineering analysis of the information obtained from our background review, subsurface evaluation, percolation testing, and laboratory testing.

- Preparation of this report presenting our findings, conclusions, and geotechnical recommendations pertaining to the design and construction of the proposed RCB culvert, bike and pedestrian path, and BMPs.

3 SITE DESCRIPTION

The project site is a concrete-line channel located between Merced Avenue and the Rio Hondo Channel, north of Rio Hondo Parkway. The project site is bounded on the north and south by residential buildings, on the east by Merced Avenue, and on the west by Brockway Street and the Rio Hondo channel (Figure 2). The channel alignment is relatively flat with a gentle slope to the southwest and ground elevations ranging from approximately 250 to 260 feet above the mean sea level (United States Geological Survey, 2022).

The existing concrete lined trapezoidal channel is estimated to be approximately 5 feet deep. An asphalt concrete (AC) paved maintenance road is located between the channel and the rear yards of the residences to the north. The AC pavement is deteriorated and has extensive cracking. Masonry block walls and chain link fences are present along the northern edge of the maintenance road. There is no maintenance road along the south side of the channel alignment. The residential properties along the southern side of the alignment are slightly higher in elevation compared to the south side of the channel and in some areas, there are slopes up to approximately 5 feet high that descend from the rear yards of the residential properties down to the top of the concrete lined channel. The slopes have varying amounts of vegetation. Chain link fences are generally present at the rear yard boundaries of the properties on the south side of the channel. The trapezoidal channel transitions to a vertical-walled channel at the upstream and downstream ends where the alignments pass beneath Merced Avenue and Brockway Street, respectively.

4 PROJECT DESCRIPTION AND PROPOSED CONSTRUCTION

Based on our review of the Request for Proposal (City of El Monte, 2024) and the concept plan that you provided (Craftwater, 2022), the project consists of the removal of the existing concrete lined trapezoidal channel and excavating the channel in order to construct an 18-foot-wide by 5-foot-deep RCB culvert between Merced Avenue and Brockway Street. The new RCB culvert will be placed on 12 inches of gravel bedding and will be buried, and an approximately 12-foot-wide pedestrian and bike path will be constructed over the top of the RCB. The existing AC paved maintenance road will be removed and an approximately 12-foot-wide bioswale will be constructed in its place. New property line walls/fencing is planned on both sides of the channel alignment. Some retaining walls may be needed where adjacent residential properties are elevated compared to the top of the channel.

The project will capture water from an existing 7-foot-wide by 5-foot-deep box culvert beneath Merced Avenue with a new diversion structure and divert the runoff through an actuated valve, a pre-treatment unit, a sampling manhole, and a small pump station that will lift the runoff to discharge into the bioswale through a rip rap energy dissipater. It is anticipated that the bioswale will be approximately 1 foot in depth and the structures (i.e., drop inlet structure, actuated valve, and hydrodynamic separator) will be installed to depths of approximately 10 to 12 feet. The bioswale will have an overflow pipeline at the downstream end that will discharge back into the new RCB culvert.

5 SUBSURFACE EVALUATION AND LABORATORY TESTING

Our subsurface evaluation was conducted on February 4 and February 5, 2025 and consisted of the drilling, logging, and sampling of seven hollow-stem-auger borings (B-1, B-2, and B-3 and P-1 through P-4). Borings B-1, B-2, and B-3 were drilled to depths of approximately 51.5, 26.5, and 26.5 feet, respectively. Borings P-1 through P-4 were drilled to a depth of approximately 10 feet. The borings were drilled using a truck-mounted drill rig equipped with 8-inch-diameter augers. The borings were logged in the field by a representative of Ninyo & Moore and representative bulk and relatively undisturbed soil samples were collected from the borings at selected depths for laboratory testing. Logs of the exploratory borings are provided in Appendix A. Percolation testing was performed in borings P-1 through P-4 as further discussed in Section 8 of this report. The approximate locations of the borings are presented on Figure 2. After drilling and percolation testing, borings drilled deeper than 10 feet below ground surface were backfilled with cement-bentonite grout in general accordance with the requirements of LACEHD. Borings shallower than 10 feet in depth were backfilled with on-site soils.

Geotechnical laboratory testing was performed on representative soil samples, including tests to evaluate in-situ moisture content and dry density, percentage of particles finer than the No. 200 sieve, Atterberg limits, expansion index, consolidation, direct shear strength, and soil corrosivity. The moisture content and density test results are presented on the boring logs in Appendix A. The remaining test results are presented in Appendix B.

Soil cuttings from the borings backfilled with grout were placed in 55-gallon drums, and a composite soil sample of the drummed soil was collected in an 8-ounce jar for waste characterization. The sample was stored in a chilled cooler and delivered to a laboratory for analytical testing under chain-of-custody protocol. The sample was tested for total petroleum hydrocarbons (gas and diesel range) per United Stated Environmental Protection Agency (EPA) Test Method 8015B, Title 22 metals per EPA Test Methods 6010B/7470/7471, and volatile organic compounds per EPA Test Method 8260B. Based on the test results, the drums were disposed at

a landfill by a licensed transportation subcontractor as non-hazardous material. The waste characterization test results are provided in Appendix C.

6 GEOLOGIC AND SUBSURFACE CONDITIONS

The project site is located within the San Gabriel Valley of the Transverse Ranges Geomorphic Province (Norris and Webb, 1990). The San Gabriel Valley is bordered by the San Gabriel Mountains to the north and Pomona Valley to the east. The Transverse Ranges are a belt of east/west-trending folds and associated thrusts that formed in response to northeast to north-south crustal shortening that initiated in Pliocene time, approximately 4 to 5 million years before the present. This regional north-south compression causes the bedrock units to become progressively folded and faulted, forming valleys and uplands that are generally bounded by reverse/thrust faults, which generally dip north along the southern range fronts and dip south along the northern range fronts.

Regional geologic maps indicate that the project site is located along the contact between younger alluvial basin deposits consisting of loose to moderately dense, sand, silt, and clay, and active stream deposits associated with the Rio Hondo River drainage consisting of very loose to loose, sand, gravel, and cobbles (California Department of Conservation, Division of Mines and Geology [CDMG], 1998). According to the Preliminary Geologic Map of the Los Angeles 30' x 60' Quadrangle (Campbell, et al., 2014), the project site is mapped as underlain by Quaternary-age (Holocene to Late Pleistocene) young alluvial fan deposits which consist of unconsolidated gravel, sand, and silt (Figure 3).

The materials encountered in our exploratory borings consisted of AC pavement, undocumented fill, and alluvium to the total explored depths of up to approximately 51.5 feet below the ground surface and are briefly described below. More detailed descriptions of the subsurface materials are presented on the boring logs in Appendix A.

6.1 Pavement

Structural pavement consisting of AC was encountered in all borings performed at the site. The AC pavement was approximately 1 to 3 inches in thickness. Aggregate base was not observed beneath the AC.

6.2 Undocumented Fill

Undocumented fill was encountered beneath the AC in borings B-1, B-3, P-1, and P-4 to depths ranging from approximately 4 to 5.5 feet. The fill generally consisted of moist, very loose to loose silty sand and sandy silt.

6.3 Alluvium

Alluvium was encountered beneath the fill in borings B-1, B-3, P-1, and P-4 and beneath the AC in borings B-2, P-2, and P-3 to the total explored depths of up to approximately 51.5 feet. The alluvium generally consisted of moist, very loose to dense poorly graded sand, poorly graded sand with varying amounts of gravel and silt, silt with sand, sandy silt, silty sand, and clayey sand. Interbedded layers of moist, very soft to very stiff sandy lean clay was also encountered in our borings.

7 GROUNDWATER

During our subsurface exploration, groundwater was not encountered to the explored depth of up to approximately 51.5 feet. However, seepage was encountered in boring B-1 at a depth of approximately 45 feet. The historic high depth to groundwater at the site mapped by CDMG (1998) is 5 feet. Data available on the Geotracker website indicates that the depth to groundwater varies from approximately 40 to 60 feet at a location approximately 1,460 feet to the north. Fluctuations in the level of groundwater will occur due to variations in ground surface topography, subsurface stratification, rainfall, irrigation practices, groundwater pumping, and other factors that were not evident at the time of our field evaluation.

8 FIELD PERCOLATION TESTING

Percolation testing was performed in our borings P-1 through P-4 in general accordance with the 2021 CLADPW Guidelines for Geotechnical Investigation and Reporting Low Impact Development Stormwater Infiltration. The testing was performed to evaluate the infiltration rates of the on-site soils for use in design of project BMPs. The borings were drilled to depths that allowed percolation testing to be performed beneath the invert depths of the proposed bioswale. Accordingly, P-1 through P-4 were drilled to depths of approximately 10 feet to evaluate the infiltration rate of the soils for use in the project design. The approximate locations of the percolation test borings are shown on Figure 2.

Preparation of each boring for percolation testing included the installation of a 2-inch-diameter slotted polyvinyl chloride (PVC) pipe in each boring and placing clean gravel within the annular space between the borehole wall and pipe. The infiltration zones were pre-soaked with water for at least one hour prior to performing percolation testing. After the borings were pre-soaked, falling-head percolation testing was performed in the borings.

The falling-head test method involved placing clean water into the PVC pipe to establish a head of water and measuring the rate at which the water level dropped in the pipe at consecutive time

intervals (approximately 30 minutes). The test was repeated for at least three hours or until three consecutive tests provided similar results and a stabilized rate was obtained. The field percolation rate was calculated by measuring the total volume of water infiltrated during the time interval and dividing by the surface area of the tested zone of the boring. The measured field percolation rates are presented in Table 1.

The 2021 CLADPW guidelines indicate that the measured field percolation rates should be reduced to account for the long-term performance of the proposed BMPs by dividing the field rates by the "Total Reduction Factor (RF)." They define the RF as the sum of the "test-specific" reduction factor (RF_t), the "site variability" reduction factor (RF_v), and the "long-term siltation, plugging, and maintenance" reduction factor (RF_s) (i.e., $RF=RF_t+RF_v+RF_s$). The guidelines (CLADPW, 2021) indicate that the RF_t is applied to account for variations in the direction of flow during the test and the reliability of the different test methods and ranges from 1 to 3. We recommend using an RF_t value of 2 for the small diameter boring test method used in this evaluation. The RF_v value is applied to account for site variability, number of tests, and thoroughness of the subsurface investigation and ranges from 1 to 3. Based on our explorations and relative consistency of materials encountered, we recommend using an RF_v value of 1. The long-term siltation, plugging, and maintenance value (RF_s) also ranges from 1 to 3 and will generally vary on the level of pre-treatment performed prior to infiltration and the level of future maintenance of the system. For the purposes of this evaluation, we have assumed an RF_s value of 1; however, the RF_s value should be provided by the BMP designer. The RF_t, RF_v, RF_s, and resulting RF values used in our analysis are presented in Table 1. The reduced percolation rates based on these values are also presented in Table 1.

Table 1 – Percolation Test Results

Test Boring	Test Type	Approximate Depth of Tested Zone (feet)	Field Percolation Rate (inches/hour)	Reduction Factor				Reduced Percolation Rate (inches/hour)
				RF_t	RF_v	RF_s	RF	
P-1	Falling Head	5 – 10	6.41	2	1	1	4	1.60
P-2	Falling Head	5 – 10	4.98	2	1	1	4	1.25
P-3	Falling Head	5 – 10	2.66	2	1	1	4	0.66
P-4	Falling Head	5 – 10	4.18	2	1	1	4	1.04

Notes:
RF_t – Test Specific Reduction Factor
RF_v – Site Variability Reduction Factor
RF_s – Long-Term Siltation, Plugging, and Maintenance Reduction Factor (to be adjusted by the BMP designer)
RF – Total Reduction Factor (to be adjusted by the BMP designer)

Based on percolation test results presented in Table 1, an infiltration rate of 0.66 inches per hour may be used in project design following adjustments made by the BMP designer.

9 FLOOD HAZARDS

Based on our review of flood insurance rate maps (Federal Emergency Management Agency [FEMA], 2008), the project area is designated as Zone X. The site is mapped as an “area of minimal flood hazard”.

10 FAULTING AND SEISMICITY

The site is in a seismically active area, as is the majority of southern California, and the potential for strong ground motion in the project area is considered to be significant during the design life of the proposed project. Figure 4 shows the approximate site location relative to the major faults in the region. The site is not located within a State of California Earthquake Fault Zone (EFZ) (California Geological Survey [CGS], 2018 and 2025).

The principal seismic hazards evaluated at the subject site are surface fault rupture, ground motion, and liquefaction. A brief description of these principal seismic hazards is presented in the following sections.

10.1 Surface Fault Rupture

Surface fault rupture is the offset or rupturing of the ground surface by relative displacement across a fault during an earthquake. Based on our review of referenced geologic and fault hazard data, the project site is not transected by known active faults. Therefore, the potential for surface rupture is relatively low. However, lurching or cracking of the ground surface as a result of nearby seismic events is possible.

10.2 Ground Motion

Considering the proximity of the site to active faults capable of producing a maximum moment magnitude of 6.0 or more, the project area has a high potential for experiencing strong ground motion. The 2022 California Building Code (CBC) specifies that the risk-targeted maximum considered earthquake (MCE_R) ground motion response accelerations be used to evaluate seismic loads for design of buildings and other structures. According to CGS (2016), the average shear wave velocity in the upper 100 feet (30 meters) of the subsurface profile (V_{S30}) is approximately 961 feet per second (i.e., 293 meters per second) at the site. In accordance with Chapter 20 of the American Society of Civil Engineers (ASCE) Publication 7-16 (2022) for the Minimum Design Loads and Associated Criteria for Building and Other Structures, classification for the project site is Site Class D.

In accordance with ASCE 7-16, the mapped MCE_R ground motion response accelerations were determined using the 2025 Structural Engineers Association of California (SEAOC) seismic design tool (web-based). The MCE_R ground motion response accelerations are based on the spectral response accelerations for 5 percent damping in the direction of maximum horizontal response and incorporate a target risk for structural collapse equivalent to 1 percent in 50 years with deterministic limits. Spectral response acceleration parameters, consistent with the 2022 CBC, are provided in Section 12.3 for the evaluation of seismic loads on buildings and other structures.

ASCE 7-16 specifies that the potential for liquefaction and soil strength loss be evaluated, where applicable, for the maximum considered earthquake geometric mean (MCE_G) peak ground acceleration adjusted for site effects (PGA_M). The PGA_M is based on the geometric mean peak ground acceleration with a 2 percent probability of exceedance in 50 years. The PGA_M was calculated as 0.904g using the 2025 SEAOC seismic design tool.

10.3 Liquefaction

Liquefaction is the phenomenon in which loosely deposited granular soils with silt and clay contents of less than approximately 35 percent and non-plastic silts located below the water table undergo rapid loss of shear strength when subjected to strong earthquake-induced ground shaking. Ground shaking of sufficient duration results in the loss of grain-to-grain contact due to a rapid rise in pore water pressure and causes the soil to behave as a fluid for a brief period of time. Liquefaction is known generally to occur in saturated or near saturated cohesionless soils at depths shallower than 50 feet. Factors known to influence liquefaction potential include composition and thickness of soil layers, grain size, relative density, groundwater level, degree of saturation, and both intensity and duration of ground shaking.

The State of California Earthquake Zones of Required Investigation map (CDMG, 1999) indicates that the subject site is located in an area mapped as being potentially susceptible to liquefaction (Figure 5). The liquefaction potential of the subsurface soils was evaluated using the subsurface data obtained from our exploratory boring B-1. The liquefaction analysis was based on the National Center for Earthquake Engineering Research procedure (Youd, et al., 2001) using the computer program LiquefyPro (CivilTech, 2019). We evaluated the liquefaction induced dynamic settlement and dry sand settlement using several depths to groundwater, including the historic high groundwater depth of 5 feet, a groundwater depth of 40 feet based on relatively recent groundwater data from Geotracker, and with the groundwater at a depth of approximately 60 feet. A PGA_M of 0.904g was used in our analysis for a design earthquake magnitude of 6.9. We estimated total dynamic settlements ranging from approximately 8 to 10 inches at this site. With

groundwater at a depth of 5 feet, approximately 5 inches of liquefaction induced settlement and 3 inches of dry sand settlement may occur. With groundwater at a depth of 40 feet, approximately 2 inches of liquefaction induced settlement and 8 inches of dry sand settlement may occur. With groundwater at a depth of 60 feet, approximately 9 inches of dry sand settlement may occur. We estimate that differential dynamic settlement will be on the order of about 4.5 inches over a horizontal distance of about 40 feet.

11 CONCLUSIONS

Based on the results of our evaluation, it is our opinion that the proposed project and associated improvements for the Merced Avenue Stormwater Capture Project are feasible from a geotechnical standpoint provided that the recommendations presented in this report are incorporated into the design and construction of the project. The primary geotechnical considerations for the project include relatively loose undocumented fill and alluvial soils that underlie the proposed improvements and the stability of temporary excavations along the property boundaries during grading and construction.

The existing fill at the site is undocumented and not suitable for support of new structures or additional fill. In addition, the near-surface alluvial soils are relatively loose and may be sensitive to settlement. Remedial grading to remove the undocumented fill and loose native soils will be needed to provide suitable foundation support for the new RCB culvert, diversion structure, valve vault, pre-treatment unit, sampling manhole, and pump station, as well as new screen walls and retaining walls.

Excavations to construct the new RCB culvert will be relatively close to the rear yards of the residential properties located on the south side of the channel alignment. In addition, we anticipate that retaining walls may be needed along portions of the channel alignment where there are significant differences in elevation between the top of the channel and the surface grade of the adjacent residential properties. Some of the residential properties have existing structures, fences, or walls that are close to or on the property lines. Based on the conceptual site plans, existing walls/fences will be replaced with new walls/fences. The majority of the soils at the site are granular and vertical excavations along the property boundaries are not anticipated to be stable. Removal of the existing walls/fences and preparing the ground surface for the new walls/fences may involve grading on the adjacent residential properties due to the potential instability of vertical excavations. However, we anticipate that there may be structures that will need to be protected in-place during construction and temporary shoring may be needed to protect these improvements. Temporary shoring may also be needed where grading within the residential properties will not be allowed.

In general, the following additional conclusions were made:

- The subject site is generally underlain by undocumented fill over alluvium. The fill was encountered in borings B-1, B-3, P-1, and P-4 to depths ranging from approximately 4 to 5.5 feet. The fill consists of moist, very loose to loose silty sand and sandy silt. The alluvium predominantly consists of moist, very loose to dense poorly graded sand, poorly graded sand with varying amounts of gravel and silt, silt with sand, sandy silt, silty sand, and clayey sand. Interbedded layers of moist, very soft to very stiff sandy lean clay was also encountered in our borings. The undocumented fill and upper alluvial materials are considered to be potentially compressible.

- Our percolation testing indicates that the on-site alluvium has infiltration rates ranging from 0.66 to 1.60 inches per hour. The BMP designer should choose the appropriate design infiltration rate at the project site in accordance with the 2021 CLADPW guidelines.

- The proposed bioswale will be located adjacent to and above the proposed RCB culvert and may result in hydrostatic pressure on the RCB culvert wall. The RCB culvert should be designed to accommodate hydrostatic pressures.

- In general, excavations in the existing fill and alluvium should be feasible with earthmoving equipment in good working condition.

- The on-site soils should be considered as Type C soils in accordance with the Occupational Safety and Health Administration (OSHA) regulations.

- Groundwater was not encountered during our subsurface exploration to the explored depth of up to approximately 51.5 feet. Seepage was encountered in boring B-1 at a depth of approximately 45 feet. The historic high depth to groundwater at the site is 5 feet (CDMG, 1998). Data available on the Geotracker website indicates that the depth to groundwater varies from approximately 40 to 60 feet. Fluctuations in the level of groundwater will occur due to variations in ground surface topography, subsurface stratification, rainfall, irrigation practices, groundwater pumping, and other factors that were not evident at the time of our field evaluation.

- The site is located within a mapped Seismic Hazards Zone considered susceptible to liquefaction (CDMG, 1999). Liquefaction analyses were performed using subsurface data obtained from boring B-1 and total dynamic settlement is estimated to be in the range of about 8 to 10 inches. We estimate that differential dynamic settlement will be on the order of about 4.5 inches over a horizontal distance of about 40 feet. The proposed improvements are not structures for human occupancy; therefore, mitigation of the liquefaction hazard was not considered to be a project concern.

- Our liquefaction analyses indicate that the total dynamic settlements from liquefaction and dry sand settlement do not vary significantly when the depth to groundwater is changed between historical high groundwater depth (5 feet) and more recent groundwater depths (40 to 60 feet). Based on our analyses, water that infiltrates through the bioswale should not have a significant impact on the total amount of settlement that could occur during a major seismic event.

- The site is not located within an EFZ with the potential for fault rupture (CGS, 2018 and 2025). The probability of surface fault rupture at the site is considered to be low.

- The site is not located within a designated flood inundation zone from the 100-year flood event (FEMA, 2008).

- Based on our laboratory corrosion testing, the on-site soils can be classified as non-corrosive per the 2021 Caltrans Corrosion Guidelines.

12 RECOMMENDATIONS

The following sections present our geotechnical recommendations for design and construction of the project. This project is in preliminary design phase and some aspects of the design will be subject to change. Ninyo & Moore should review the final plans and develop additional geotechnical recommendations as appropriate. These recommendations are based on our evaluation of the site geotechnical conditions, our understanding of the planned construction, and experience in the vicinity of the project. The work should be performed in conformance with the recommendations presented in this report, project specifications, and appropriate agency standards.

12.1 Earthwork

We anticipate that earthwork at the site will consist of excavations to widen the trapezoidal channel to accommodate the construction of the buried RCB culvert, remedial grading beneath the RCB culvert, backfilling around the RCB culvert, remedial grading for new retaining walls and free-standing walls, retaining wall backfill, cuts and fills associated with the construction of the proposed bioswale, and excavations for the diversion structure, valve vault, pre-treatment unit, sampling manhole, pump station, and trenching and backfilling for new pipelines. Based on our understanding of the project, we anticipate that excavations will be on the order of 5 to 8 feet deep to install the RCB culvert. However, excavations on the order of 10 to 12 feet are anticipated for the diversion structure, valve vault, pre-treatment unit, sampling manhole, and pump station. Earthwork operations should be performed in accordance with the requirements of applicable governing agencies and the recommendations presented in the following sections.

12.1.1 Pre-Construction Conference

We recommend that grading and foundation plans be submitted to Ninyo & Moore for review to check for conformance to the recommendations provided in this report. We further recommend that a pre-construction conference be held to discuss the grading recommendations presented in this report. The owner and/or their representative, the governing agencies' representatives, the civil engineer, Ninyo & Moore, and the contractor should be in attendance to discuss the work plan, project schedule, and earthwork requirements.

12.1.2 Clearing and Site Preparation

Prior to performing excavations or other earthwork, the site should be cleared of existing site improvements, gravel, debris, vegetation, and loose or otherwise unsuitable soils. Materials generated from the clearing/demolition operations should be removed from the project site and disposed of at a legal dump site. Existing utilities to remain in-place should be located and protected from damage by construction activities. Excavations resulting from the removal of foundations, underground utilities, and/or other underground improvements, should be backfilled with compacted fill in general accordance with the fill and compaction recommendations presented below.

12.1.3 Excavation Characteristics

We anticipate that excavations in the undocumented fill and alluvium should be feasible with earthmoving equipment in good working condition. Oversize materials are not considered suitable for use as backfill and should be disposed of off-site. The contractor should plan on processing the excavated materials to bring them near the laboratory optimum moisture content (i.e., drying and/or wetting) prior to use as fill. Contractors should make their own independent evaluation of the excavatability of the on-site materials prior to submitting their bids, including allowances for processing the soils and removal of oversized materials/construction debris.

12.1.4 Temporary Excavations and Shoring

Soils at the project site include granular soils with little cohesion that are considered to be prone to caving. In particular, bedding materials for existing pipelines, if encountered, may be prone to caving. Temporary slopes in the site soils should be stable at inclinations of approximately 1:1 (horizontal to vertical) up to a depth of about 4 feet below the existing grade and stable at inclinations of approximately 1.5:1 (horizontal to vertical) for excavations deeper than 4 feet but not exceeding the depth of 20 feet below the existing grade. Temporary excavations should be evaluated in the field and constructed in accordance with the applicable OSHA guidelines. The site soils should be considered as OSHA Soil Type C. Onsite safety of personnel is the responsibility of the contractor.

We anticipate that temporary shoring may be needed due to boundary constraints with existing residential properties, streets, and buried utilities. Shoring systems, if used, should be designed for the anticipated soil conditions using the lateral earth pressure values presented on Figures 6 and 7 for cantilevered and braced shoring, respectively. The recommended design earth pressures are based on the assumption that the shoring system will be constructed without raising the ground surface elevation behind the shored sidewalls

of the excavation, that there would be no surcharge loads such as soil stockpiles and construction materials, and that no loads will act above a 1:1 (horizontal to vertical) plane ascending from the base of the shoring system. For a shoring system subjected to the above-mentioned surcharge loads, the contractor should include the effect of these loads on the lateral earth pressures acting on the shored walls. Spoils should not be placed near the edge of the open cut excavation. For open cut excavations, the spoil pile should be placed at a distance more than the depth of excavation from the top of the excavation. OSHA and other applicable agency requirements pertaining to worker safety should be met during the excavation activities.

We anticipate that settlement of the ground surface will occur behind shored excavations. The amount of settlement depends heavily on the type of shoring system, the contractor's workmanship, and soil conditions. To reduce the potential for distress to adjacent improvements, we recommend that the shoring system be designed to limit the ground settlement behind the shoring system to 0.5 inch or less. Possible causes of settlement that should be addressed include settlement during installation of the shoring elements, excavation for structure construction, construction vibrations, and removal of the support system. We recommend that shoring installation be evaluated carefully by the contractor prior to construction and that ground vibration and settlement monitoring be performed during construction where shoring is installed within 50 feet of the existing structures that will be protected in-place.

The contractor should retain a qualified and experienced engineer to design the shoring system. The shoring parameters presented in this report are minimum requirements, and the contractor should evaluate the adequacy of these parameters and make the appropriate modifications for their design. We recommend that the contractor take appropriate measures to protect workers. OSHA requirements pertaining to worker safety should be observed.

12.1.5 Remedial Earthwork

Based on our subsurface exploration, the majority of the channel alignment is underlain by undocumented fill and very loose to loose alluvial soils. The existing undocumented fill may be sensitive to settlement and is not considered suitable for support of new structural improvements or for the support of new fill and, therefore, should be removed and placed back as engineered fill. Furthermore, the undocumented fill material is also not suitable for stormwater infiltration. Where undocumented fill is present beneath the proposed bioswale, the undocumented fill should be removed to underlying native granular alluvial soils. If removal of the undocumented fill extends below the planned bottom elevation of the bioswale, additional drainage rock or filter media may be used to replace the undocumented

fill. Similarly, if clayey soils are encountered at the subgrade elevation for the bioswale, the clayey soils should be removed to expose more granular material and the clayey soils should be replaced with additional drainage rock or filter media.

Remedial grading will be needed in order to provide suitable support for the new buried RCB culvert, the diversion structure, valve vault, pre-treatment structure, and pump station structure as well as beneath the proposed retaining wall and free-standing wall foundations. In order to provide suitable support and reduce the potential for settlement of proposed structures, we recommend that the existing fill and upper very loose alluvial deposits be removed and recompacted (i.e., overexcavated) beneath the footprints of the structures. The excavations should extend deep enough to remove the existing undocumented fill or to provide 2 feet or more of newly compacted fill material beneath the bottoms of the proposed foundations, whichever is deeper. The excavations should expose relatively firm and unyielding alluvial deposits. The excavation bottoms should be evaluated by our representative during the excavation work. Additional excavation of loose, soft, and/or wet areas may be appropriate. The limits of removal should extend approximately 2 feet beyond the outside edges of the foundation footprint or a distance equal to the depth of the excavations beneath the foundations, whichever is farther.

If drainage rock is placed beneath the foundations for the buried structures, the rock can be considered to be part of the 2-foot-thick layer of compacted fill beneath the foundations. Prior to placing compacted fill and/or drainage rock, the upper approximately 8 inches of the exposed bottom should be scarified, moisture-conditioned to near the laboratory optimum moisture content, and recompacted to a relative compaction of 90 percent as evaluated by ASTM International (ASTM) test method D 1557. If drainage rock is used beneath the structure(s), we recommend that it consist of 0.75-inch to 1.5-inch diameter, open-graded gravel underlain by filter fabric consisting of Mirafi 140N or equivalent.

We anticipate that the remedial grading recommended above will result in a majority of the hardscape and pavements being underlain by newly placed compacted fill. However, for new hardscape and pavements that are located beyond the new culvert and bioswale excavation areas, such as the new sidewalk on Merced Avenue, we recommend that the subgrade materials beneath the proposed hardscape areas be scarified to a depth of approximately 1 foot, moisture-conditioned to near the optimum moisture content, and recompacted. The limits of the scarification should extend laterally 2 feet beyond the outside edge of hardscape. The exposed subgrade should be evaluated by our representative during the excavation

work. Loose, soft, and/or wet areas may need to be overexcavated, depending on our observations during construction. Prior to placing new compacted fill in areas that are overexcavated and/or in areas where the existing subgrade will be raised with new fill, the exposed bottom should be scarified, moisture-conditioned, and recompacted to a depth of approximately 8 inches.

12.1.6 Fill Material

In general, the on-site soils should be suitable for reuse as fill materials beneath structures, to raise site grades, and as trench backfill provided that those are free of trash, debris, oversized materials, or other deleterious materials. Fill should generally be free of rocks or lumps of material in excess of 4 inches in diameter. Rocks or hard lumps larger than approximately 4 inches in diameter should be broken into smaller pieces or should be removed from the site.

Fill used as backfill against buried structures including the RCB culvert, the diversion structure, valve vault, pre-treatment structure, and pump station structure, should consist of free-draining, granular, non-expansive soil that conforms with the Greenbook specifications (Public Works Standard, Inc., 2024) for structure backfill. “Non-expansive” can be defined as soil having an expansion index (EI) of 20 or less in accordance with ASTM D 4829. Given the general condition of the site soils, import of granular fill material is anticipated for the project.

Imported fill materials should consist of clean, non-expansive, granular materials which also conform to the Greenbook specifications for structure backfill. The soil should also be tested for corrosive properties prior to importing. We recommend that the imported materials meet the 2021 Caltrans criteria for non-corrosive soils (i.e., soils having a chloride concentration of less than 500 parts per million [ppm], a soluble sulfate content of less than approximately 0.15 percent [1,500 ppm], a pH value higher than 5.5, or an electrical resistivity more than 1,500 ohm-centimeters [ohm-cm]). Materials for use as fill should be evaluated by Ninyo & Moore prior to importing. The contractor should be responsible for the uniformity of imported materials brought to the site.

12.1.7 Fill Placement and Compaction

Fill should be placed and compacted in accordance with the project specifications, requirements of the City of El Monte, and sound construction practices. Fill materials should be moisture-conditioned to slightly above the optimum moisture content. The lift thickness for fill soils will vary depending on the type of compaction equipment used, but should generally be placed in horizontal lifts not exceeding 8 inches in loose thickness. Fill materials should

be compacted to a relative compaction of 90 percent as evaluated by ASTM D 1557. The upper 12 inches of pavement subgrade materials should be compacted to a relative compaction of 95 percent as evaluated by ASTM D 1557. Special care should be taken to avoid pipe damage when compacting trench backfill above pipes. Fill should be tested for specified compaction level by Ninyo & Moore.

12.2 Underground Utilities

We anticipate that underground pipelines will be supported on engineered fill or native alluvial deposits. Based on our understanding of the project, we anticipate pipeline inverts to be less than 10 feet in depth.

12.2.1 Pipe Bedding

We recommend that pipes be supported on 6 inches or more of granular bedding material, such as sand, with a sand equivalent (SE) value of 30 or more. Bedding material should be placed around the pipe and 12 inches or more above the top of the pipe in accordance with the Greenbook. Special care should be taken not to allow voids beneath the pipe. Compaction of the bedding material and backfill should proceed up both sides of the pipe. Trench backfill, including bedding material, should be placed in accordance with the recommendations presented in the Earthwork section of this report.

12.2.2 Trench Backfill

Based on our subsurface evaluation, the on-site soils should generally be suitable for re-use as trench backfill provided that those are free of organic material, clay lumps, debris, and rocks more than approximately 4 inches in diameter. Fill should be moisture-conditioned to at or slightly above the optimum moisture content. Wet soils should be allowed to dry to a moisture content near the optimum prior to their placement as trench backfill. Trench backfill should be compacted to a relative compaction of 90 percent or more as evaluated by ASTM D 1557. Lift thickness for trench backfill will depend on the type of compaction equipment utilized but should generally be placed in horizontal lifts not exceeding 8 inches in loose thickness. Special care should be exercised to avoid damaging the pipelines during compaction of the backfill.

12.2.3 Modulus of Soil Reaction for Pipe Design

The modulus of soil reaction is used to characterize the stiffness of soil backfill placed along the sides of buried flexible pipelines for the purpose of evaluating deflection caused by the weight of the backfill above the pipe. We recommend that a modulus of soil reaction of 1,000

pounds per square inch (psi) be used for design, provided that granular bedding material is placed adjacent to the pipe, as recommended in the previous section.

12.3 Seismic Design Considerations

Design of the proposed improvements should be performed in accordance with the requirements of governing jurisdictions and applicable building codes. Table 2 presents the spectral response acceleration parameters in accordance with the CBC (2022) guidelines.

Table 2 – 2022 California Building Code Seismic Design Criteria

Site Coefficients and Spectral Response Acceleration Parameters	Values
Site Class	D
Mapped Spectral Response Acceleration at 0.2-second Period, S_s	1.905g
Mapped Spectral Response Acceleration at 1.0-second Period, S_1	0.688g
Spectral Response Acceleration at 0.2-second Period, S_{MS}	1.905g
Spectral Response Acceleration at 1.0-second Period, S_{M1}	1.170g
Design Spectral Response Acceleration at 0.2-second Period, S_{DS}	1.27g
Design Spectral Response Acceleration at 1.0-second Period, S_{D1}	0.780g
Maximum Considered Earthquake Geometric Mean (MCE_G) Peak Ground Acceleration, PGA_M	0.904g

12.4 Foundations

Based on our evaluation, the proposed underground structures may be supported on mat foundations and the retaining walls and free-standing walls may be supported on spread footings. Foundations should be designed in accordance with the structural considerations and the following recommendations. In addition, requirements of the appropriate governing jurisdictions and applicable building codes should be considered in the design of the structures.

12.4.1 Mat Foundation

Mat foundations for underground structures (i.e., drop inlet and diversion structures, actuated valves, pump station, pre-treatment unit, etc.) should be supported on compacted fill in accordance with the recommendations presented in the Earthwork section of this report. Mat foundations may be designed using a net allowable bearing capacity of 2,000 pounds per square foot (psf). The allowable bearing capacity may be increased by one-third when considering loads of short duration, such as wind or seismic forces. The total and differential static settlements corresponding to this allowable bearing load are estimated to be less than approximately 1 inch and 0.5 inch over a horizontal span of 40 feet, respectively.

Mat foundations bearing on compacted fill may be designed using a coefficient of friction of 0.35, where the total frictional resistance equals the coefficient of friction times the dead load. Mat foundations typically experience some deflection due to loads placed on the mat and the reaction of the soils directly underlying the mat. A design modulus of subgrade reaction of

100 pounds per cubic inch may be used for the compacted subgrade soils in evaluating such deflections.

12.4.1 Spread Footings for Retaining Walls and Free-Standing Walls

Spread footings should extend 1.5 feet or more below the lowest adjacent finished grade. Spread footings should have a width of 2 feet or more. Spread footings should be reinforced and detailed in accordance with the recommendations of the structural engineer.

Footings, as described above and bearing on compacted fill, may be designed using a net allowable bearing capacity of 2,500 psf. Total and differential settlements for footings designed and constructed in accordance with the above recommendations are estimated to be on the order of 1 inch and 0.5 inch over a horizontal span of 40 feet, respectively.

Footings bearing on compacted fill may be designed using a coefficient of friction of 0.35, where the total frictional resistance equals the coefficient of friction times the dead load. Footings may be designed using a passive resistance of 350 psf per foot of depth for level ground condition up to a value of 3,500 psf. The allowable lateral resistance can be taken as the sum of the frictional resistance and passive resistance provided the passive resistance does not exceed one-half of the total allowable resistance. The net allowable bearing capacity and passive resistance may be increased by one-third when considering loads of short duration such as wind or seismic forces.

12.5 Lateral Earth Pressures for Yielding Retaining Walls

Lateral earth pressures recommended for design of yielding retaining walls are provided on Figure 8. Passive pressures may be increased by one-third when considering loads of short duration, including wind and seismic loads. Retaining walls should be backfilled with free-draining, granular soil with a low-expansion potential. Measures should be taken to reduce the potential for build-up of hydrostatic pressure behind the retaining walls. Drainage design should include free-draining backfill materials and perforated drains as shown on Figure 10. Solid outlet pipes should be connected to the perforated drains and then routed to a suitable area for discharge.

12.6 Lateral Earth Pressures for Underground Structures

Walls for below-grade structures may be designed using the lateral earth pressure values presented on Figure 9. To reduce the potential for pipe-to-wall differential settlement caused by dynamic loading, which could cause pipe shearing, we recommend that a flexible pipe joint be located close to the exterior of the wall. The type of joint should be such that minor relative

movement can be accommodated without distress. The pipe connections should be sufficiently flexible to withstand differential settlement of approximately 2 inches.

12.7 Exterior Flatwork

We recommend that new exterior concrete sidewalks and flatwork (hardscape) have a thickness of 4 inches. The hardscape should be underlain by 4 inches of clean sand and installed with crack-control joints at an appropriate spacing as designed by the structural engineer to reduce the potential for shrinkage cracking. Positive drainage should be established and maintained adjacent to flatwork. To reduce the potential for differential offset, joints between the new hardscape and adjacent curbs, existing hardscape, building walls, and/or other structures, and between sections of new hardscape, should be doweled.

12.8 Corrosivity

Laboratory testing was performed on two near-surface soil samples collected from borings B-2 and B-3 to evaluate soil pH, electrical resistivity, water-soluble chloride content, and water-soluble sulfate content. The soil pH and electrical resistivity tests were performed in general accordance with CT 643. Chloride content tests were performed in general accordance with CT 422. Sulfate content testing was performed in general accordance with CT 417.

The pH of the tested samples was measured to range from approximately 6.5 to 6.9. The electrical resistivity was measured to range from approximately 7,007 to 14,875 ohm-cm. The chloride content was measured to range from approximately 30 to 50 ppm, and the sulfate content was measured at approximately 0.001 (i.e., 10 ppm). According to the 2021 Caltrans corrosion criteria, the soils at the project site can be classified as non-corrosive which is defined as having earth materials with less than 500 ppm chlorides, less than 0.15 percent sulfates (i.e., 1,500 ppm), a pH more than 5.5, and an electrical resistivity more than 1,500 ohm-cm. The corrosivity test results are presented in Appendix B.

12.9 Concrete Placement

Concrete in contact with soil or water that contains high concentrations of water-soluble sulfates can be subject to premature chemical and/or physical deterioration. Based on the 2022 CBC, the potential for sulfate attack is negligible for water-soluble sulfate contents in soil ranging from 0.00 to 0.10 percent by weight, moderate for water-soluble sulfate contents ranging from 0.10 to 0.20 percent by weight, severe for water-soluble sulfate contents ranging from 0.20 to 2.00 percent by weight, and very severe for water-soluble sulfate contents over 2.00 percent by weight. The soil samples tested for this evaluation, using CT 417, indicate a water-soluble sulfate content of

approximately 0.001 percent by weight (i.e., 10 ppm). Accordingly, the on-site soils are considered to have a negligible potential for sulfate attack. Per ACI (2022b), Type II cement is appropriate for the site improvements. However, due to the potential variability of the site soils, consideration should be given to using Type II/V cement for the project.

To reduce the potential for shrinkage cracks in the concrete during curing, we recommend that the concrete for the proposed improvements be placed with a slump of 4 inches based on ASTM C 143. The slump should be checked periodically at the site prior to concrete placement. We further recommend that concrete cover over reinforcing steel for foundations be provided in accordance with the 2022 CBC. The structural engineer should be consulted for additional concrete specifications.

12.10 Stormwater Infiltration

Based on our subsurface evaluation, we recommend that the BMP designer choose an appropriate infiltration rate for the site based on the percolation rates presented in Section 8 of this report. We recommend that the bottoms of the bioswale be further evaluated during construction. Additional recommendations may be provided at that time if fine-grained materials are present within the alluvial deposits exposed at the bottom of the bioswale, such as removing the fine-grained materials and replacing it with granular materials.

Based on the results of our consolidation tests, the potential for hydro-collapse settlement associated with infiltration is relatively low. However, we generally recommend a setback of 15 feet or more between settlement-sensitive structures and proposed infiltration areas. As described in Section 11, the proposed bioswale is located adjacent to and above the new RCB culvert and could add hydrostatic pressure to the RCB walls. Therefore, the culvert walls should be designed to accommodate the hydrostatic pressure.

12.11 Drainage

Appropriate surface drainage is imperative for satisfactory site performance. Positive drainage should be provided and maintained to direct surface water away from existing and proposed foundations. Positive drainage is defined as a slope of 2 percent or more for a distance of 5 feet or more away from foundations and tops of slopes. Runoff should then be directed by the use of swales or pipes into a collective drainage system. Area drains for landscaped and paved areas are recommended. Surface water should not be allowed to pond adjacent to footings. We recommend that above-ground structures, if constructed, have roof drains and downspouts installed to collect runoff.

12.12 Landscaping

Project landscaping should consist of drought tolerant plants. Landscape irrigation should be kept to a level just sufficient to maintain plant vigor. Overwatering should not be permitted.

13 CONSTRUCTION OBSERVATION

The recommendations provided in this report are based on our understanding of the proposed project and our evaluation of the data collected based on subsurface conditions disclosed by widely spaced exploratory borings. It is imperative that the geotechnical consultant checks the interpolated subsurface conditions during construction. We recommend that Ninyo & Moore review the project plans and specifications prior to construction. It should be noted that, upon review of these documents, some recommendations presented in this report may be revised or modified.

During construction we recommend that the duties of the geotechnical consultant include, but not be limited to:

- Observing site clearing, grubbing, and removals.
- Observing excavation bottoms, including the bottom of buried structures and bioswale bottom.
- Observing preparation of pavement and foundation subgrades.
- Observing placement and compaction of fill, including trench backfill and structural backfill.
- Evaluating imported materials prior to their use as fill.
- Performing field tests to evaluate fill compaction.
- Observing foundation excavations for bearing materials and cleaning prior to placement of reinforcing steel or concrete.
- Performing specialty inspection and material testing services, including concrete compressive strength and steel tensile strength tests.

The recommendations provided in this report assume that Ninyo & Moore will be retained as the geotechnical consultant during the construction phase of this project. If another geotechnical consultant is selected, we request that the selected consultant indicate to the owner and to our firm in writing that our recommendations are understood and that they are in full agreement with our recommendations.

14 LIMITATIONS

The field evaluation, laboratory testing, and geotechnical analysis presented in this geotechnical report have been conducted in general accordance with current practice and the standard of care

exercised by geotechnical consultants performing similar tasks in the project area. No warranty, expressed or implied, is made regarding the conclusions, recommendations, and opinions presented in this report. There is no evaluation detailed enough to reveal every subsurface condition. Variations may exist and conditions not observed or described in this report may be encountered during construction. Uncertainties relative to subsurface conditions can be reduced through additional subsurface exploration. Additional subsurface evaluation will be performed upon request. Please also note that our evaluation was limited to assessment of the geotechnical aspects of the project, and did not include evaluation of structural issues, environmental concerns, or the presence of hazardous materials.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires additional information or has questions regarding the content, interpretations presented, or completeness of this document.

This report is intended for design purposes only. It does not provide sufficient data to prepare an accurate bid by contractors. It is suggested that the bidders and their geotechnical consultant perform an independent evaluation of the subsurface conditions in the project areas. The independent evaluations may include, but not be limited to, review of other geotechnical reports prepared for the adjacent areas, site reconnaissance, and additional exploration and laboratory testing.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. If geotechnical conditions different from those described in this report are encountered, our office should be notified, and additional recommendations, if warranted, will be provided upon request. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

15 REFERENCES

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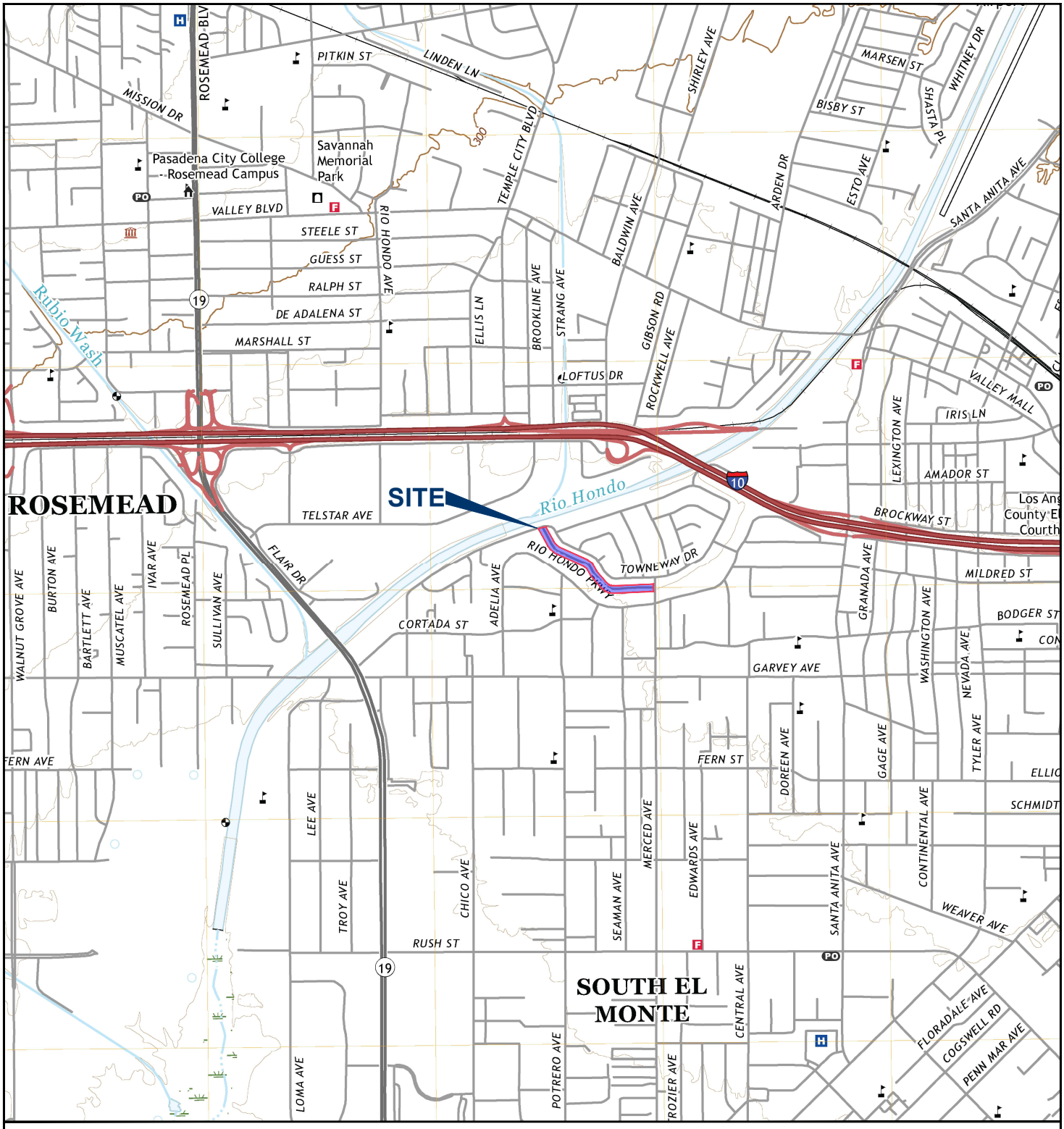
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FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2022.

N

FEET
0 2,000 4,000

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FIGURE 1

SITE LOCATION

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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LEGEND

B-3 TD=26.5 — BORING; TD=TOTAL DEPTH IN FEET

P-4 TD=10.0 — PERCOLATION TEST; TD=TOTAL DEPTH IN FEET

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: GOOGLE EARTH, 2025.

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0 250 500

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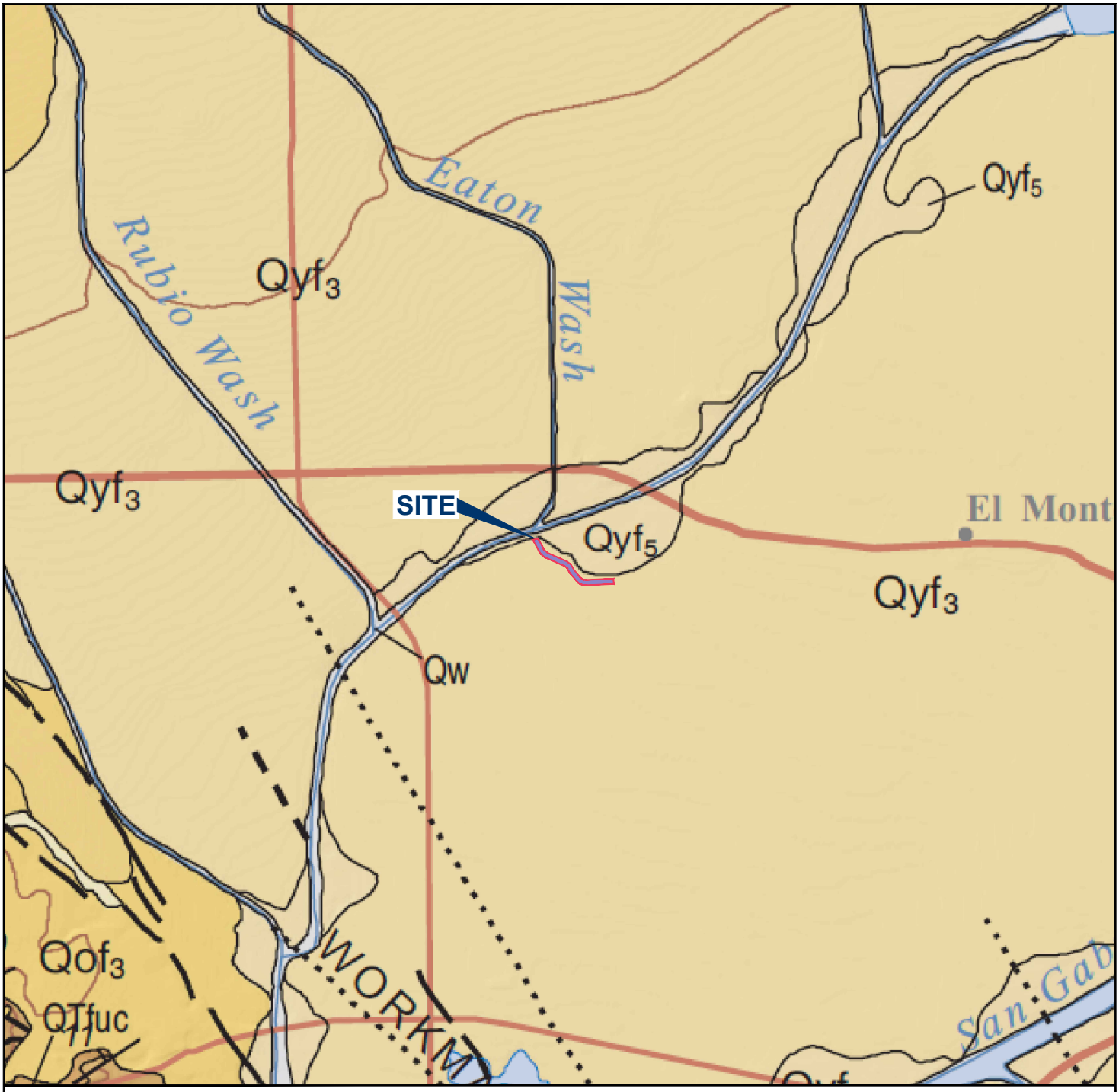
FIGURE 2

BORING AND PERCOLATION TEST LOCATIONS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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LEGEND

Qw	WASH DEPOSITS
Qyf	YOUNG FAN DEPOSITS, UNDIVIDED
Qyf_3	YOUNG ALLUVIAL-FAN DEPOSITS, UNIT 3
Qof	OLD FAN DEPOSITS, UNDIVIDED

GEOLOGIC CONTACT

FAULT; DASHED WHERE APPROXIMATE, DOTTED WHERE BURIED

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: CAMPBELL, ET AL., 2014.

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FEET

0 3,000 4,000

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FIGURE 3

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REGIONAL GEOLOGY

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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LEGEND

CALIFORNIA FAULT ACTIVITY

- HISTORICALLY ACTIVE
- HOLOCENE ACTIVE
- LATE QUATERNARY (POTENTIALLY ACTIVE)
- QUATERNARY (POTENTIALLY ACTIVE)
- STATE/COUNTY BOUNDARY

SOURCES: QUATERNARY FAULTS DATABASE - U.S. GEOLOGICAL SURVEY AND CALIFORNIA GEOLOGICAL SURVEY, QUATERNARY FAULT AND FOLD DATABASE FOR THE UNITED STATES, ACCESSED NOVEMBER 4, 2024, AT: https://www.usgs.gov/programs/earthquake-hazards/faults

N

MILES

0 8 16

NOTE: DIRECTIONS, DIMENSIONS AND LOCATIONS ARE APPROXIMATE.

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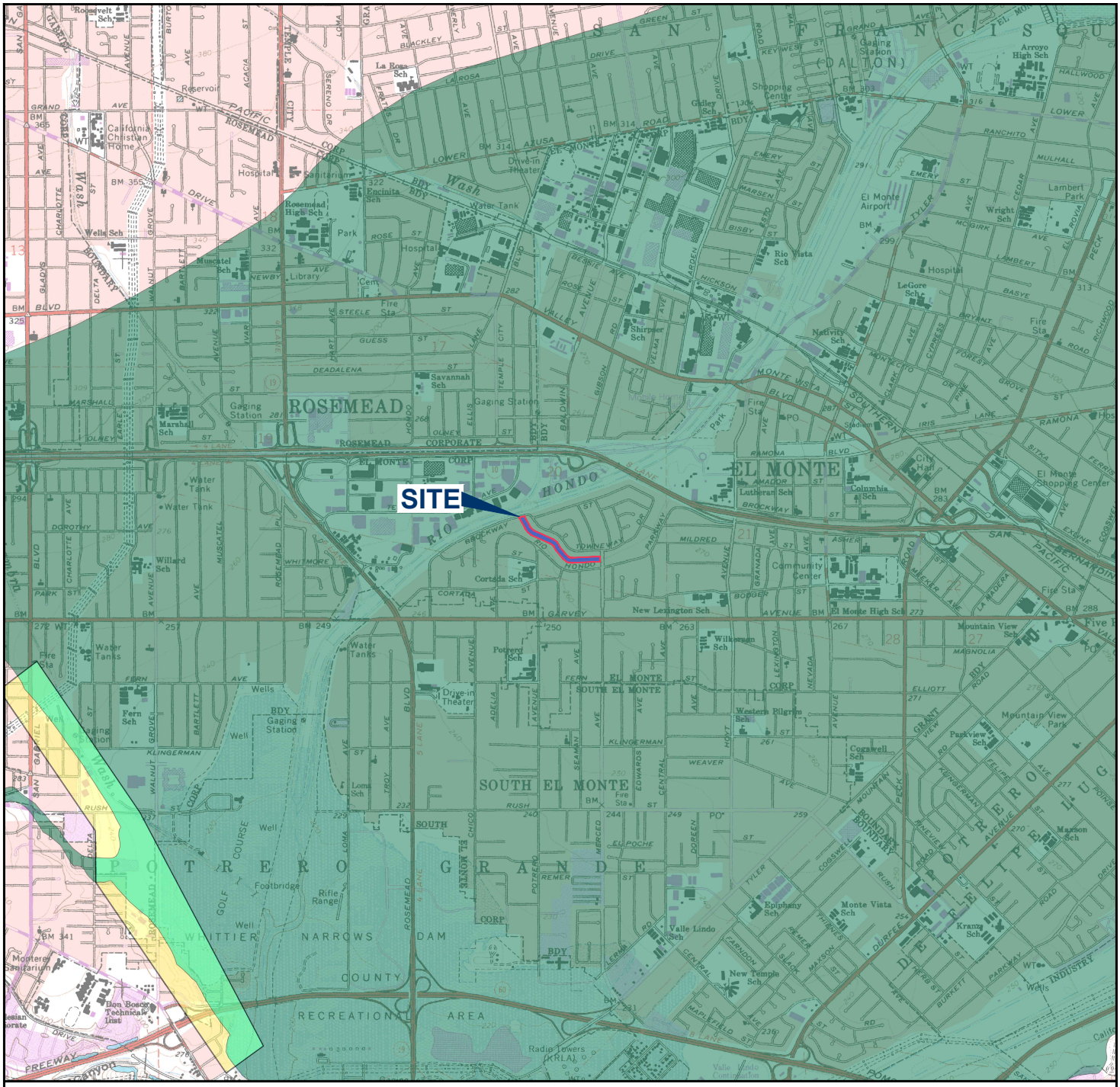
FIGURE 4

FAULT LOCATIONS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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LEGEND

EARTHQUAKE-INDUCED LANDSLIDES
Areas where previous occurrence of landslide movement, or local topographic, geological, geotechnical and subsurface water conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

LIQUEFACTION
Areas where historic occurrence of liquefaction, or local geological, geotechnical and groundwater conditions indicate a potential for permanent ground displacements such that mitigation as defined in Public Resources Code Section 2693(c) would be required.

OVERLAPPING EARTHQUAKE FAULT AND SEISMIC HAZARD ZONES
Overlap of Earthquake Fault Zone and Liquefaction Zone
Areas that are covered by both Earthquake Fault Zone and Liquefaction Zone.

Note: Mitigation methods differ for each zone – AP Act only allows avoidance; Seismic Hazard Mapping Act allows mitigation by engineering/geotechnical design as well as avoidance.

N

FEET
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NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: CDMG, 1999.

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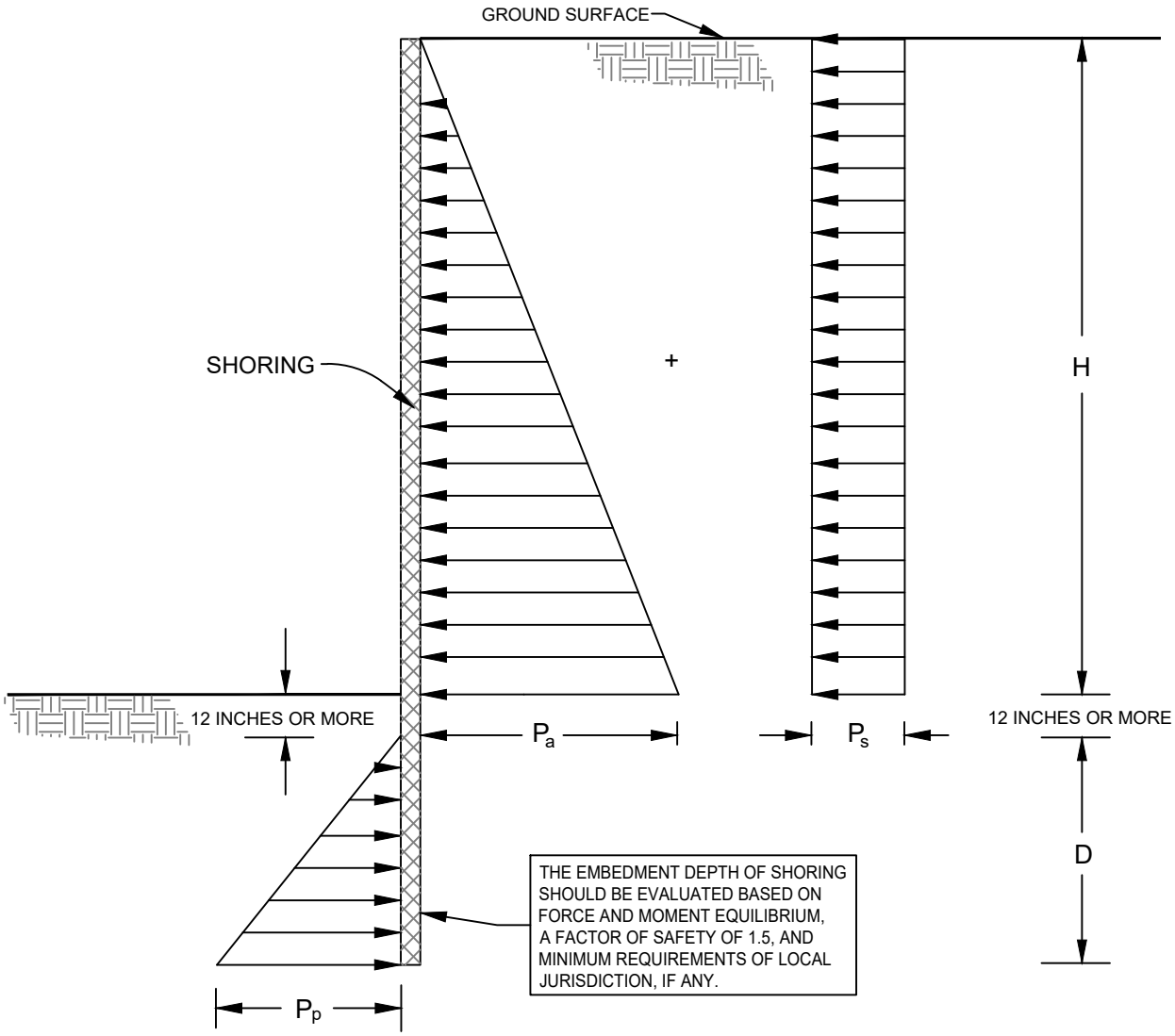
FIGURE 5

SEISMIC HAZARD ZONES

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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NOTES:

1. ACTIVE LATERAL EARTH PRESSURE, P_a
   P_a = 34H psf
2. CONSTRUCTION TRAFFIC INDUCED SURCHARGE PRESSURE, P_s
   P_s = 72 psf
3. PASSIVE LATERAL EARTH PRESSURE, P_p
   P_p = 350D psf
4. ASSUMES GROUNDWATER IS NOT PRESENT
5. H AND D ARE IN FEET

NOT TO SCALE

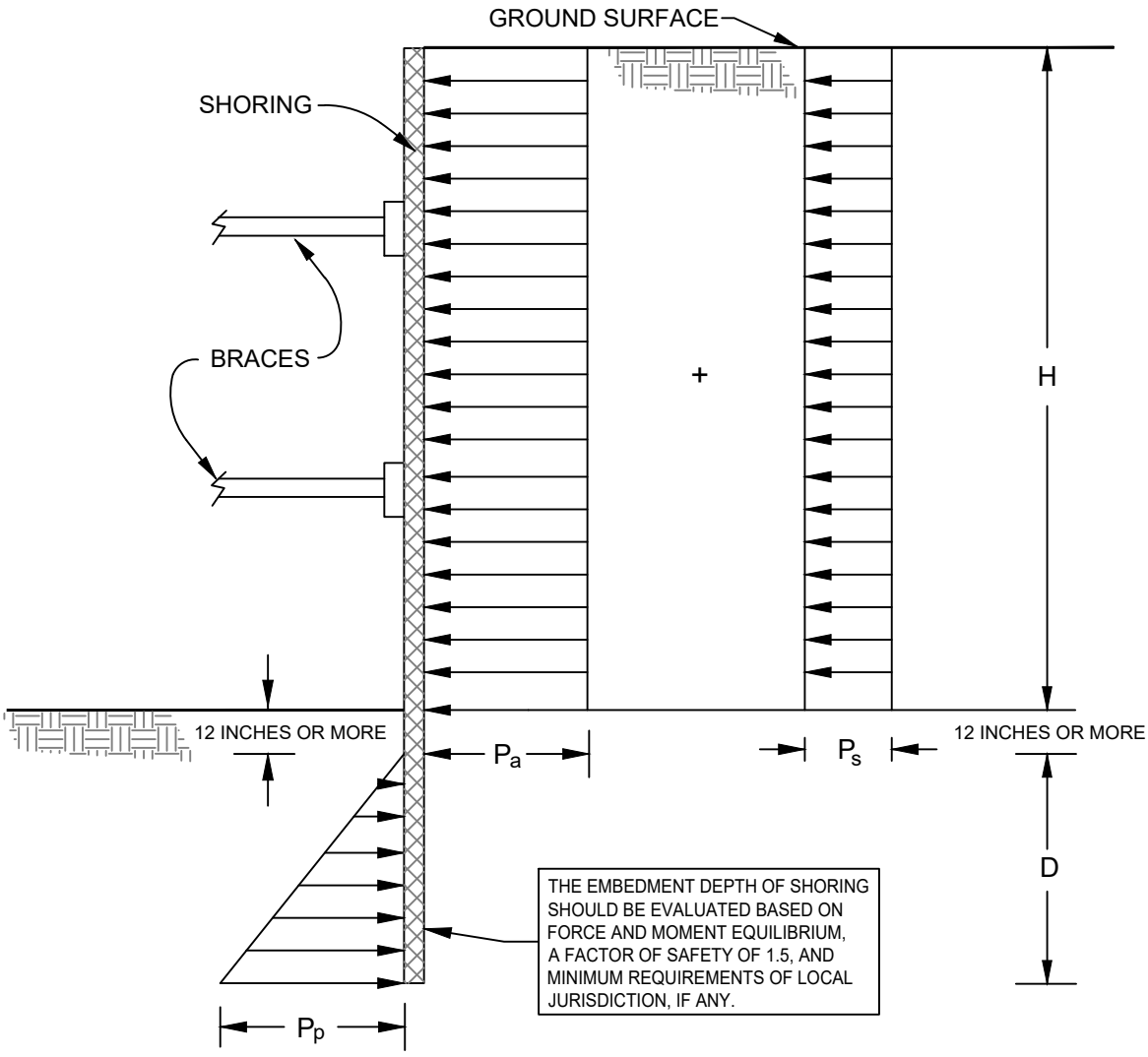
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FIGURE 6

LATERAL EARTH PRESSURES FOR TEMPORARY CANTILEVERED SHORING

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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NOTES:

1. APPARENT LATERAL EARTH PRESSURE, P_a
   P_a = 22H psf
2. CONSTRUCTION TRAFFIC INDUCED SURCHARGE PRESSURE, P_s
   P_s = 120 psf
3. PASSIVE LATERAL EARTH PRESSURE, P_p
   P_p = 350D psf
4. ASSUMES GROUNDWATER IS NOT PRESENT
5. SURCHARGES FROM EXCAVATED SOIL OR CONSTRUCTION MATERIALS ARE NOT INCLUDED
6. H AND D ARE IN FEET

NOT TO SCALE

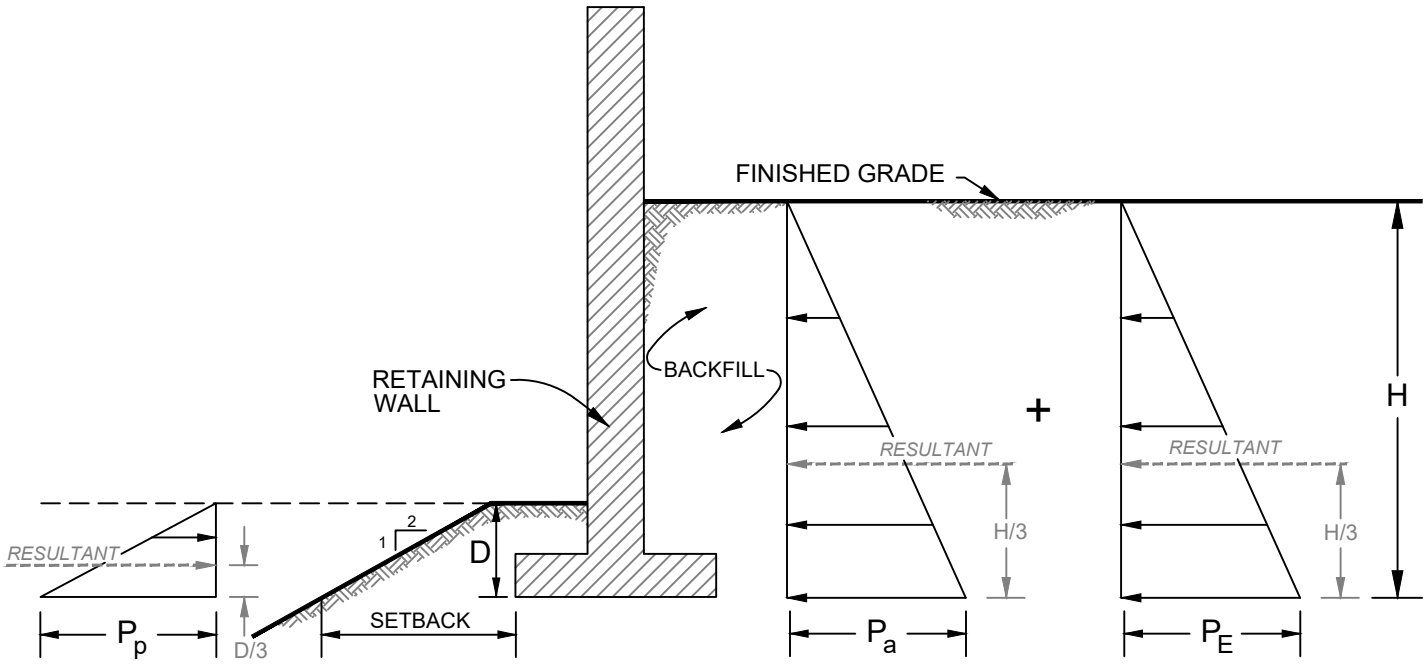
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FIGURE 7

LATERAL EARTH PRESSURES FOR BRACED EXCAVATION

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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NOTES:

1. ASSUMES NO HYDROSTATIC PRESSURE BUILD-UP BEHIND THE RETAINING WALL
2. STRUCTURAL, GRANULAR BACKFILL MATERIALS AS SPECIFIED IN GREENBOOK SHOULD BE USED FOR RETAINING WALL BACKFILL
3. DRAINS AS RECOMMENDED IN THE RETAINING WALL DRAINAGE DETAIL SHOULD BE INSTALLED BEHIND THE RETAINING WALL
4. P_E IS CALCULATED IN ACCORDANCE WITH THE RECOMMENDATIONS OF MONONOBE AND MATSUO (1929), AND ATIK AND SITAR (2010)
5. SURCHARGE PRESSURES CAUSED BY VEHICLES OR NEARBY STRUCTURES ARE NOT INCLUDED
6. H AND D ARE IN FEET
7. SETBACK SHOULD BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE APPLICABLE BUILDING CODE

RECOMMENDED GEOTECHNICAL DESIGN PARAMETERS

Lateral Earth Pressure	Equivalent Fluid Pressure ($lb/ft^2/ft$)[1]	
P_a	Level Backfill with Granular Soils[2]	2H:1V Sloping Backfill with Granular Soils[2]
	37H	57H
P_E	20H	25H
P_p	Level Ground	2H:1V Descending Ground
	350D	140D

NOT TO SCALE

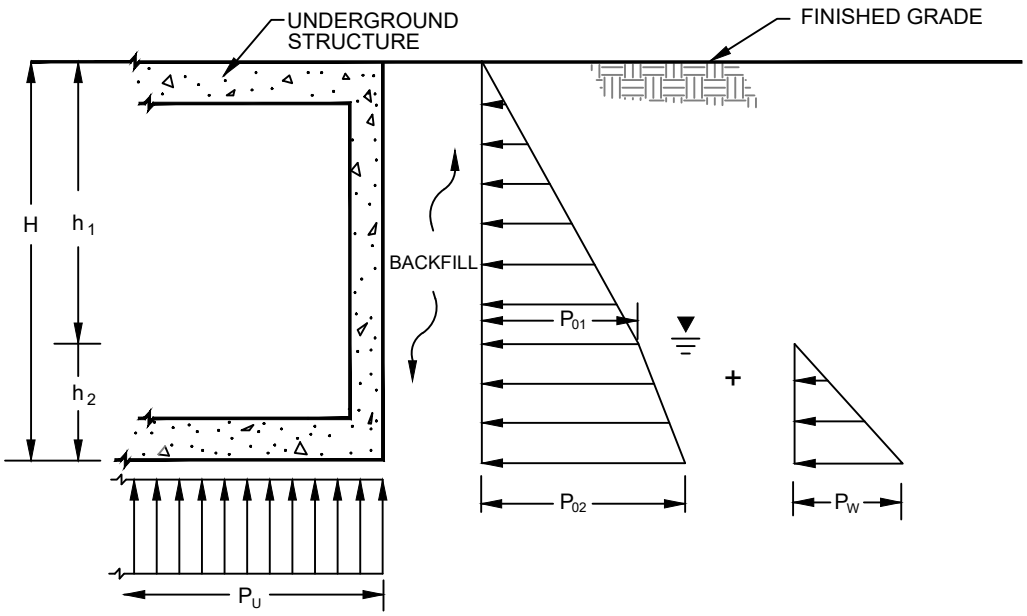
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FIGURE 8

LATERAL EARTH PRESSURES FOR YIELDING RETAINING WALLS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

Ninyo & Moore
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NOTES:

1. APPARENT LATERAL EARTH PRESSURES, P_{01} AND P_{02}
   $P_{01} = 57h_1$ psf
   $P_{02} = 57h_1 + 27h_2$ psf
2. HYDROSTATIC PRESSURE, P_w
   $P_w = 62.4h_2$ psf
3. UPLIFT PRESSURE, P_u
   $P_u = 62.4h_2$ psf
4. SURCHARGE PRESSURES CAUSED BY VEHICLES OR NEARBY STRUCTURES ARE NOT INCLUDED
5. H, h_1 AND h_2 ARE IN FEET
6. ▼ GROUNDWATER TABLE

NOT TO SCALE

FIGURE 9

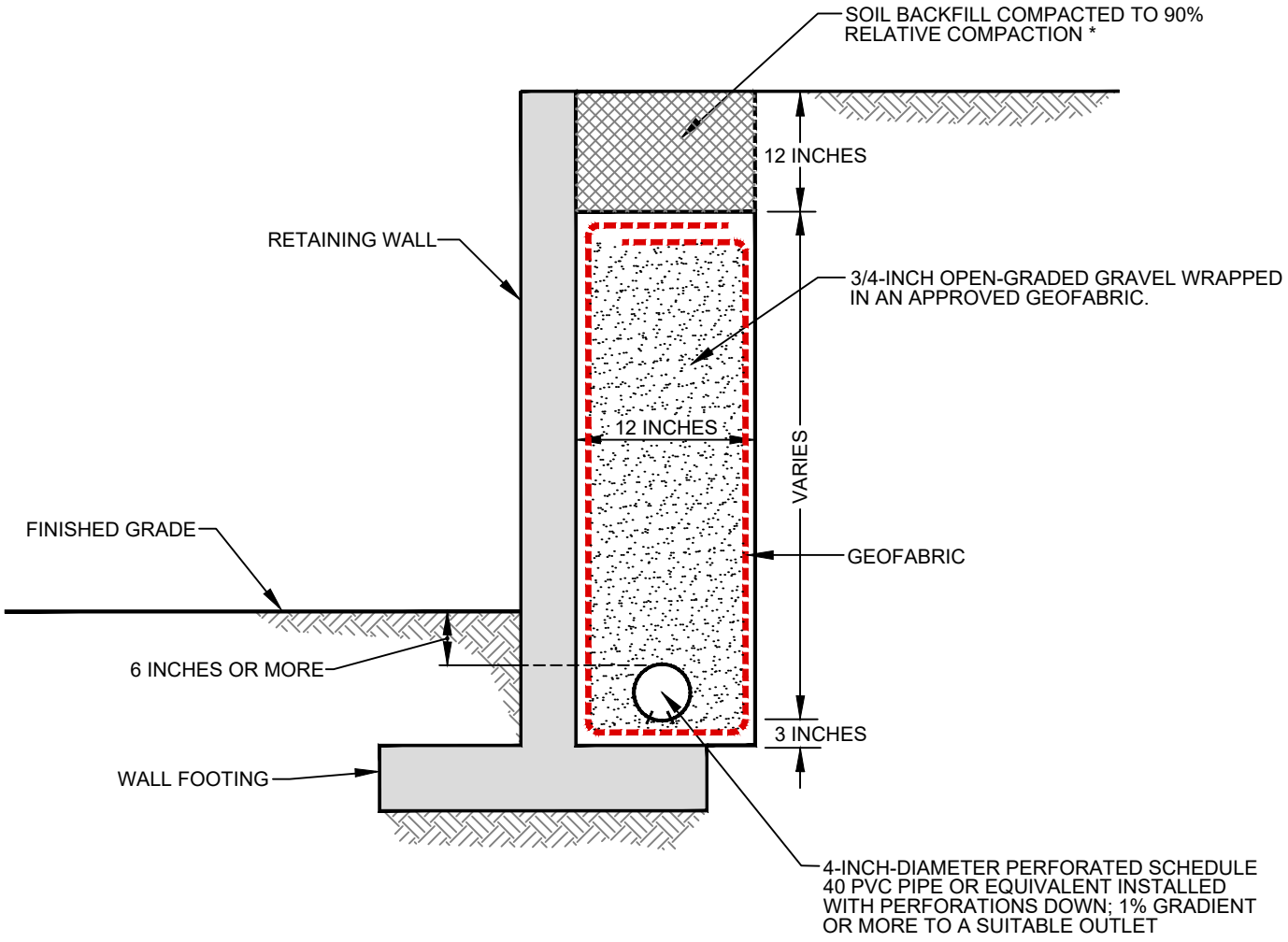
LATERAL EARTH PRESSURES FOR UNDERGROUND STRUCTURES

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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Geotechnical & Environmental Sciences Consultants

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*BASED ON ASTM D1557

NOT TO SCALE

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FIGURE 10

RETAINING WALL DRAINAGE DETAIL

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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APPENDIX A

Boring Logs

APPENDIX A

BORING LOGS

Field Procedure for the Collection of Disturbed Samples
Disturbed soil samples were obtained in the field using the following methods.

Bulk Samples
Bulk samples of representative earth materials were obtained from the exploratory borings. The samples were bagged and transported to the laboratory for testing.

The Standard Penetration Test (SPT) Sampler
Disturbed drive samples of earth materials were obtained by means of a Standard Penetration Test sampler. The sampler is composed of a split barrel with an external diameter of 2 inches and an unlined internal diameter of approximately 1.4 inches. The sampler was driven into the ground 12 to 18 inches with a 140-pound hammer falling freely from a height of 30 inches in general accordance with ASTM D 1586. The blow counts were recorded for every 6 inches of penetration; the blow counts reported on the logs are those for the last 12 inches of penetration. Soil samples were observed and removed from the sampler, bagged, sealed and transported to the laboratory for testing.

Field Procedure for the Collection of Relatively Undisturbed Samples
Relatively undisturbed soil samples were obtained in the field using the following method.

The Modified Split-Barrel Drive Sampler
The sampler, with an external diameter of 3 inches, was lined with 1-inch-long, thin brass rings with inside diameters of approximately 2.4 inches. The sampler barrel was driven into the ground with the weight of a hammer in general accordance with ASTM D 3550. The driving weight was permitted to fall freely. The approximate length of the fall, the weight of the hammer, and the number of blows per foot of driving are presented on the boring logs as an index to the relative resistance of the materials sampled. The samples were removed from the sampler barrel in the brass rings, sealed, and transported to the laboratory for testing.

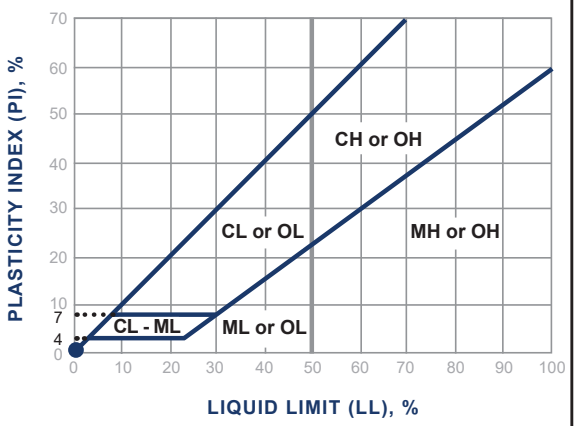
Soil Classification Chart Per ASTM D 2488

Primary Divisions			Secondary Divisions	
			Group Symbol	Group Name
COARSE-GRAINED SOILS more than 50% retained on No. 4 sieve	**GRAVEL** more than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVEL less than 5% fines	GW	well-graded GRAVEL
			GP	poorly graded GRAVEL
		GRAVEL with DUAL CLASSIFICATIONS 5% to 12% fines	GW-GM	well-graded GRAVEL with silt
			GP-GM	poorly graded GRAVEL with silt
			GW-GC	well-graded GRAVEL with clay
			GP-GC	poorly graded GRAVEL with clay
		GRAVEL with FINES more than 12% fines	GM	silty GRAVEL
			GC	clayey GRAVEL
			GC-GM	silty, clayey GRAVEL
	SAND 50% or more of coarse fraction passes No. 4 sieve	CLEAN SAND less than 5% fines	SW	well-graded SAND
			SP	poorly graded SAND
		SAND with DUAL CLASSIFICATIONS 5% to 12% fines	SW-SM	well-graded SAND with silt
			SP-SM	poorly graded SAND with silt
			SW-SC	well-graded SAND with clay
			SP-SC	poorly graded SAND with clay
		SAND with FINES more than 12% fines	SM	silty SAND
			SC	clayey SAND
			SC-SM	silty, clayey SAND
FINE-GRAINED SOILS 50% or more passes No. 200 sieve	**SILT and CLAY** liquid limit less than 50%	INORGANIC	CL	lean CLAY
			ML	SILT
			CL-ML	silty CLAY
		ORGANIC	OL (PI > 4)	organic CLAY
			OL (PI < 4)	organic SILT
	SILT and CLAY liquid limit 50% or more	INORGANIC	CH	fat CLAY
			MH	elastic SILT
		ORGANIC	OH (plots on or above "A"-line)	organic CLAY
			OH (plots below "A"-line)	organic SILT
	Highly Organic Soils		PT	Peat

Grain Size

Description		Sieve Size	Grain Size	Approximate Size
Boulders		> 12"	> 12"	Larger than basketball-sized
Cobbles		3 - 12"	3 - 12"	Fist-sized to basketball-sized
Gravel	Coarse	3/4 - 3"	3/4 - 3"	Thumb-sized to fist-sized
	Fine	#4 - 3/4"	0.19 - 0.75"	Pea-sized to thumb-sized
Sand	Coarse	#10 - #4	0.079 - 0.19"	Rock-salt-sized to pea-sized
	Medium	#40 - #10	0.017 - 0.079"	Sugar-sized to rock-salt-sized
	Fine	#200 - #40	0.0029 - 0.017"	Flour-sized to sugar-sized
Fines		Passing #200	< 0.0029"	Flour-sized and smaller

Plasticity Chart



Apparent Density - Coarse-Grained Soil

Apparent Density	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Loose	≤ 4	≤ 8	≤ 3	≤ 5
Loose	5 - 10	9 - 21	4 - 7	6 - 14
Medium Dense	11 - 30	22 - 63	8 - 20	15 - 42
Dense	31 - 50	64 - 105	21 - 33	43 - 70
Very Dense	> 50	> 105	> 33	> 70

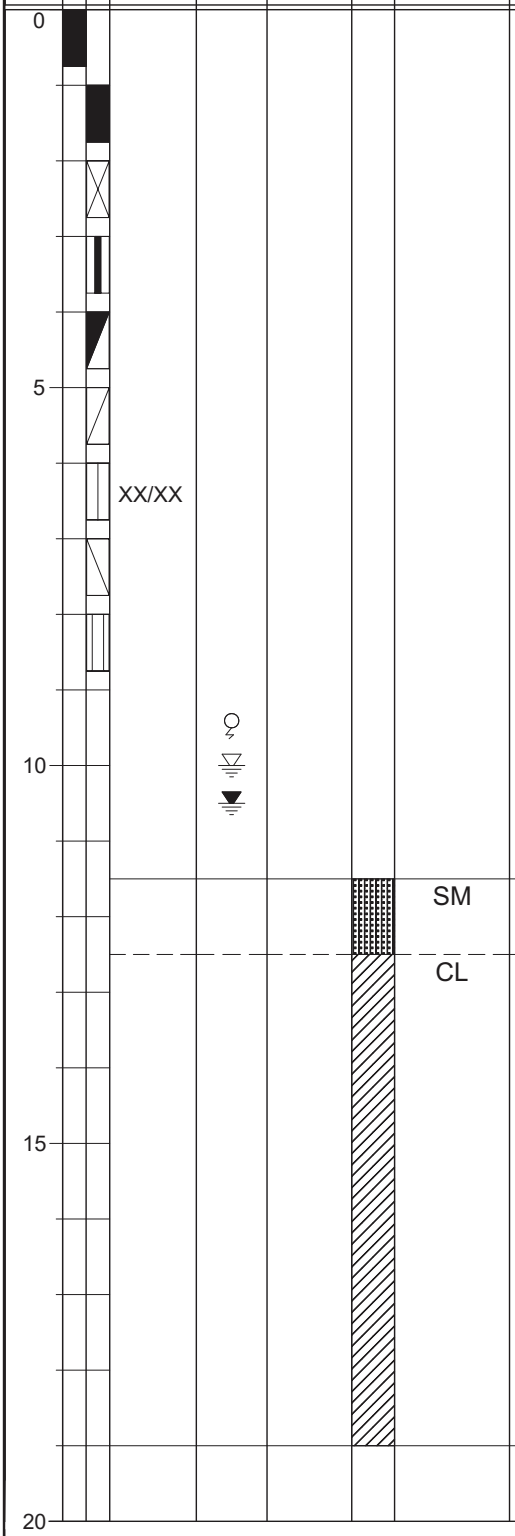
Consistency - Fine-Grained Soil

Consis-tency	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Soft	< 2	< 3	< 1	< 2
Soft	2 - 4	3 - 5	1 - 3	2 - 3
Firm	5 - 8	6 - 10	4 - 5	4 - 6
Stiff	9 - 15	11 - 20	6 - 10	7 - 13
Very Stiff	16 - 30	21 - 39	11 - 20	14 - 26
Hard	> 30	> 39	> 20	> 26

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USCS METHOD OF SOIL CLASSIFICATION

BORING LOG EXPLANATION SHEET



Bulk sample.

Modified split-barrel drive sampler.

No recovery with modified split-barrel drive sampler.

Sample retained by others.

Standard Penetration Test (SPT).

No recovery with a SPT.

Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.

No recovery with Shelby tube sampler.

Continuous Push Sample.

Seepage.

Groundwater encountered during drilling.

Groundwater measured after drilling.

SM

MAJOR MATERIAL TYPE (SOIL):

Solid line denotes unit change.

CL

Dashed line denotes material change.

Attitudes: Strike/Dip
b: Bedding
c: Contact
j: Joint
f: Fracture
F: Fault
cs: Clay Seam
s: Shear
bss: Basal Slide Surface
sf: Shear Fracture
sz: Shear Zone
sbs: Shear Bedding Surface

The total depth line is a solid line that is drawn at the bottom of the boring.

DATE DRILLED 2/4/2025 BORING NO. B-1

GROUND ELEVATION 252' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ASPHALT CONCRETE: Approximately 1 inch thick. FILL: Yellowish brown, moist, very loose, silty SAND; few clay.
		2				SM	ALLUVIUM: Reddish gray, moist, very loose, silty SAND; trace rootlets; laminations.
10		10	17.2	101.4		SC	Olive brown, moist, loose, clayey SAND.
		23				SP	Light brown, miost, medium dense, poorly graded SAND with gravel. Dense.
20		12	23.5	100.3		CL	Olive brown, miost, stiff, sandy lean CLAY with silt.
		33				SP	Light brown, moist, dense, poorly graded SAND with gravel.
30		27	13.0	98.2		SM	Light brown, moist, medium dense, silty SAND.
		9				CL	Olive brown to brown, moist, stiff, sandy lean CLAY.
40							

FIGURE A- 1

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MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

DATE DRILLED 2/4/2025 BORING NO. B-1

GROUND ELEVATION 252' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
40		17	20.0	110.0		CL	ALLUVIUM: (continued) Yellowish brown to olive, moist, very stiff, sandy lean CLAY; trace gravel.
		25	▽			SM	Reddish brown, moist, dense, silty SAND; few gravel.
50		13					Medium dense.
60							Total Depth = 51.5 feet. Groundwater not encountered during drilling. Backfilled with cement-bentonite grout and patched with cold asphalt concrete on 2/4/2025. Seepage encountered at 45' during drilling. Notes: Groundwater may rise to a level higher than that measured in borehole due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
70							
80							

DATE DRILLED 2/4/2025 BORING NO. B-2

GROUND ELEVATION 254' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ASPHALT CONCRETE: Approximately 2 inches thick. ALLUVIUM: Yellowish brown, moist, very loose, silty SAND; few gravel; lean clay nodules.
		1				ML	Olive brown to dark brown, moist, very loose, SILT.
10		10	18.3	87.4		SM	Yellowish brown to olive brown, moist, loose, silty SAND; trace rootlets; iron oxidation.
		24				SP	Light brown, moist, dense, poorly graded SAND; trace gravel.
20		49	4.2	104.1			Few gravel.
		15					Medium dense.
30							Total Depth = 26.5 feet. Groundwater not encountered during drilling. Backfilled with cement-bentonite grout and patched with concrete dyed black on 2/4/2025. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
40							

FIGURE A- 3

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MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

DATE DRILLED 2/5/2025 BORING NO. B-3

GROUND ELEVATION 256' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						ML	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Yellowish brown, moist, loose, sandy SILT.
		5				SP-SM	ALLUVIUM: Light brown, moist, loose, poorly graded SAND with silt.
10		8	25.4	88.7		SM	Olive brown, moist, loose, silty SAND; iron oxidation; laminations.
		14				SP-SM	Light brown, moist, medium dense, poorly graded SAND with silt.
20		15	5.2	108.7		ML	Grayish brown, moist, medium dense, SILT with sand.
		19				SP	Light brown, moist, medium dense, poorly graded SAND with gravel.
30							Total Depth = 26.5 feet. Groundwater not encountered during drilling. Backfilled with cement-bentonite grout and patched with concrete dyed black on 2/5/2025.
40							Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.

DATE DRILLED 2/4/2025 BORING NO. P-1

GROUND ELEVATION 253' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ASPHALT CONCRETE: Approximately 1 inch thick. FILL: Yellowish brown, moist, loose, silty SAND; few gravel; few cobbles.
		5	25.2	86.0		ML	ALLUVIUM: Olive brown, moist, very loose, SILT with sand.
		10	32.5	86.8			Loose.
10							Total Depth = 10 feet. Groundwater not encountered during drilling. In-situ percolation test performed on 2/4/2025. Backfilled with on-site soils and patched with cold asphalt concrete on 2/4/25. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 5

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MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

DATE DRILLED 2/4/2025 BORING NO. P-2

GROUND ELEVATION 253' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ASPHALT CONCRETE: Approximately 3 inches thick.
							ALLUVIUM: Olive brown, moist, loose, silty SAND.
						ML	Olive, moist, loose, sandy SILT.
		15	17.0	96.7		SP-SM	Light brown, moist, medium dense, poorly graded SAND with silt; few gravel.
		3				SM	Olive brown, moist, very loose, silty SAND; trace clay.
10							Total Depth = 10 feet. Groundwater not encountered during drilling. In-situ percolation test performed on 2/5/2025. Backfilled with on-site soils and patched with cold asphalt concrete on 2/5/25.
20							Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
30							The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
40							

FIGURE A- 6

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MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

DATE DRILLED 2/4/2025 BORING NO. P-3

GROUND ELEVATION 255' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SP-SM	ASPHALT CONCRETE: Approximately 3 inches thick. ALLUVIUM: Yellowish brown, moist, very loose, poorly graded SAND with silt.
	Driven	5	6.3	94.2			
						ML	Olive brown, moist, very loose, SILT with sand.
	Driven	3	36.4				
10							Total Depth = 10 feet. Groundwater not encountered during drilling. In-situ percolation test performed on 2/5/2025. Backfilled with on-site soils and patched with cold asphalt concrete on 2/5/25. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 7

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MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

DATE DRILLED 2/5/2025 BORING NO. P-4

GROUND ELEVATION 256' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow-Stem Auger (Martini Drilling)

DRIVE WEIGHT 140 lbs. (Auto. Trip Hammer) DROP 30"

SAMPLED BY ARB LOGGED BY ARB REVIEWED BY MLP

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0						SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Yellowish brown, moist, loose, silty SAND.
		10	3.1	96.6		SP-SM	ALLUVIUM: Light brown, moist, loose, poorly graded SAND with silt.
		1	26.8			CL	Olive brown to dark brown, moist, soft, sandy lean CLAY.
10							Total Depth = 10 feet. Groundwater not encountered during drilling. In-situ percolation test performed on 2/5/2025. Backfilled with on-site soils and patched with cold asphalt concrete on 2/5/25. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE A- 8

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MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

APPENDIX B

Laboratory Testing

APPENDIX B

LABORATORY TESTING

Classification
Soils were visually and texturally classified in adherence to the Unified Soil Classification System (USCS) in general accordance with ASTM D 2488. Soil classifications are indicated on the logs of the exploratory borings in Appendix A.

In-Place Moisture and Density Tests
The moisture content and dry density of relatively undisturbed samples obtained from the exploratory borings were evaluated in general accordance with ASTM D 2937. The test results are presented on the logs of the exploratory borings in Appendix A.

200 Wash
An evaluation of the percentage of particles finer than the No. 200 sieve in selected soil samples was performed in general accordance with ASTM D 1140. The test results are summarized on Figures B-1 and B-2.

Atterberg Limits
Tests were performed on selected representative fine-grained soil samples to evaluate the liquid limit, plastic limit, and plasticity index in general accordance with ASTM D 4318. These test results were utilized to evaluate the soil classification in accordance with the USCS. The test results and classifications are summarized on Figure B-3.

Expansion Index Test
The expansion index of a selected soil sample was evaluated in general accordance with ASTM D 4829. A specimen was molded under a specified compactive energy at approximately 50 percent saturation (plus or minus 1 percent). The prepared 1-inch-thick by 4-inch-diameter specimen was loaded with a surcharge of 144 pounds per square foot and was inundated with tap water. Readings of volumetric swell were made for a period of 24 hours. The test results are summarized on Figure B-4.

Consolidation Tests
Consolidation testing was performed on selected relatively undisturbed soil samples in general accordance with ASTM D 2435. The samples were inundated during testing to represent adverse field conditions. The percent of consolidation for each load cycle was recorded as a ratio of the amount of vertical compression to the original height of the sample. The results of the tests are graphically presented on Figures B-5 and B-6.

Direct Shear Tests
Direct shear tests were performed on relatively undisturbed samples in general accordance with ASTM D 3080 to evaluate the shear strength characteristics of the selected materials. The samples were inundated during shearing to represent the adverse field conditions. The results are presented on Figures B-7 through B-9.

Soil Corrosivity Tests
Soil pH and resistivity testing was performed on representative soil samples in general accordance with CT 643. The soluble sulfate and chloride contents of the selected sample were evaluated in general accordance with CT 417 and CT 422, respectively. The test results are presented on Figure B-10.

SAMPLE LOCATION	SAMPLE DEPTH (ft)	DESCRIPTION	PERCENT PASSING NO. 4	PERCENT PASSING NO. 200	USCS (TOTAL SAMPLE)
B-1	10.0-11.5	CLAYEY SAND	88	29	SC
B-1	15.0-16.5	POORLY GRADED SAND WITH GRAVEL	74	4	SP
B-1	25.0-26.5	POORLY GRADED SAND WITH GRAVEL	84	3	SP
B-1	30.0-31.5	SILTY SAND	100	20	SM
B-1	45.0-46.5	SILTY SAND	89	13	SM
B-1	50.0-51.5	SILTY SAND	99	48	SM
B-2	10.0-11.5	SILTY SAND	100	45	SM
B-2	20.0-21.5	POORLY GRADED SAND	96	2	SP
B-3	0.25-5.0	SANDY SILT	100	53	ML

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 1140

FIGURE B-1

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NO. 200 SIEVE ANALYSIS TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

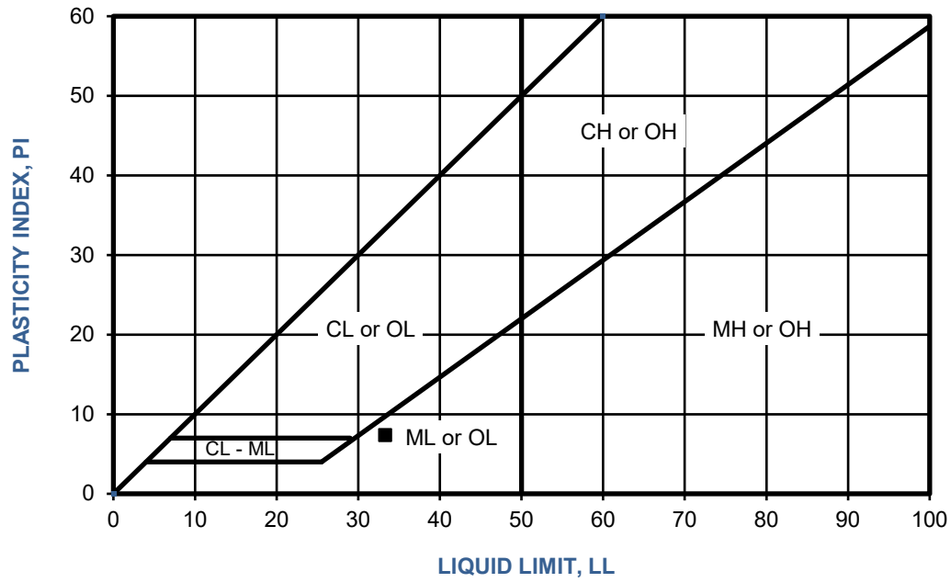
212828001 | 4/25

SAMPLE LOCATION	SAMPLE DEPTH (ft)	DESCRIPTION	PERCENT PASSING NO. 4	PERCENT PASSING NO. 200	USCS (TOTAL SAMPLE)
B-3	10.0-11.5	SILTY SAND	100	47	SM
B-3	25.0-26.5	POORLY GRADED SAND WITH GRAVEL	80	4	SP
P-1	8.5-10.0	SILT WITH SAND	100	72	ML
P-2	8.5-10.0	SILTY SAND	100	44	SM
P-3	5.0-6.5	POORLY GRADED SAND WITH SILT	98	5	SP-SM
P-3	8.5-10.0	SILT WITH SAND	100	83	ML
P-4	8.5-10.0	SANDY LEAN CLAY	100	55	CL

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 1140

SYMBOL	LOCATION	DEPTH (ft)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	USCS CLASSIFICATION (Fraction Finer Than No. 40 Sieve)	USCS
■	B-2	5.0-6.5	33	26	7	ML	ML
●	P-1	5.5-6.5	-	-	NP	ML	ML

NP - INDICATES NON-PLASTIC



PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4318

FIGURE B-3

ATTERBERG LIMITS TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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SAMPLE LOCATION	SAMPLE DEPTH (ft)	INITIAL MOISTURE (percent)	COMPACTED DRY DENSITY (pcf)	FINAL MOISTURE (percent)	VOLUMETRIC SWELL (in)	EXPANSION INDEX	POTENTIAL EXPANSION
B-2	0.16-5.0	11.5	104.1	23.4	0.003	3	Very Low

PERFORMED IN GENERAL ACCORDANCE WITH ☐ UBC STANDARD 18-2 ☑ ASTM D 4829

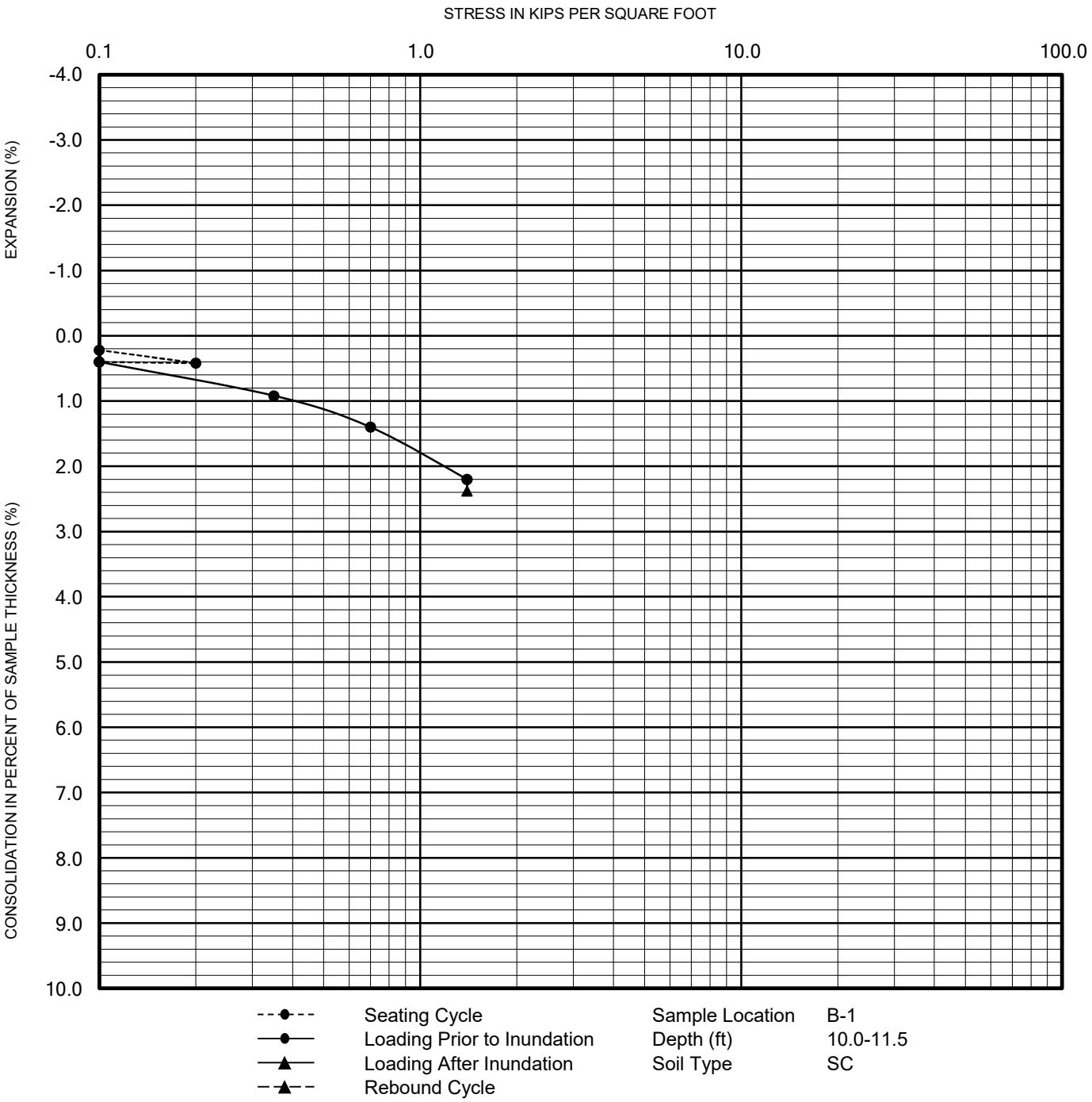
FIGURE B-4

EXPANSION INDEX TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 2435

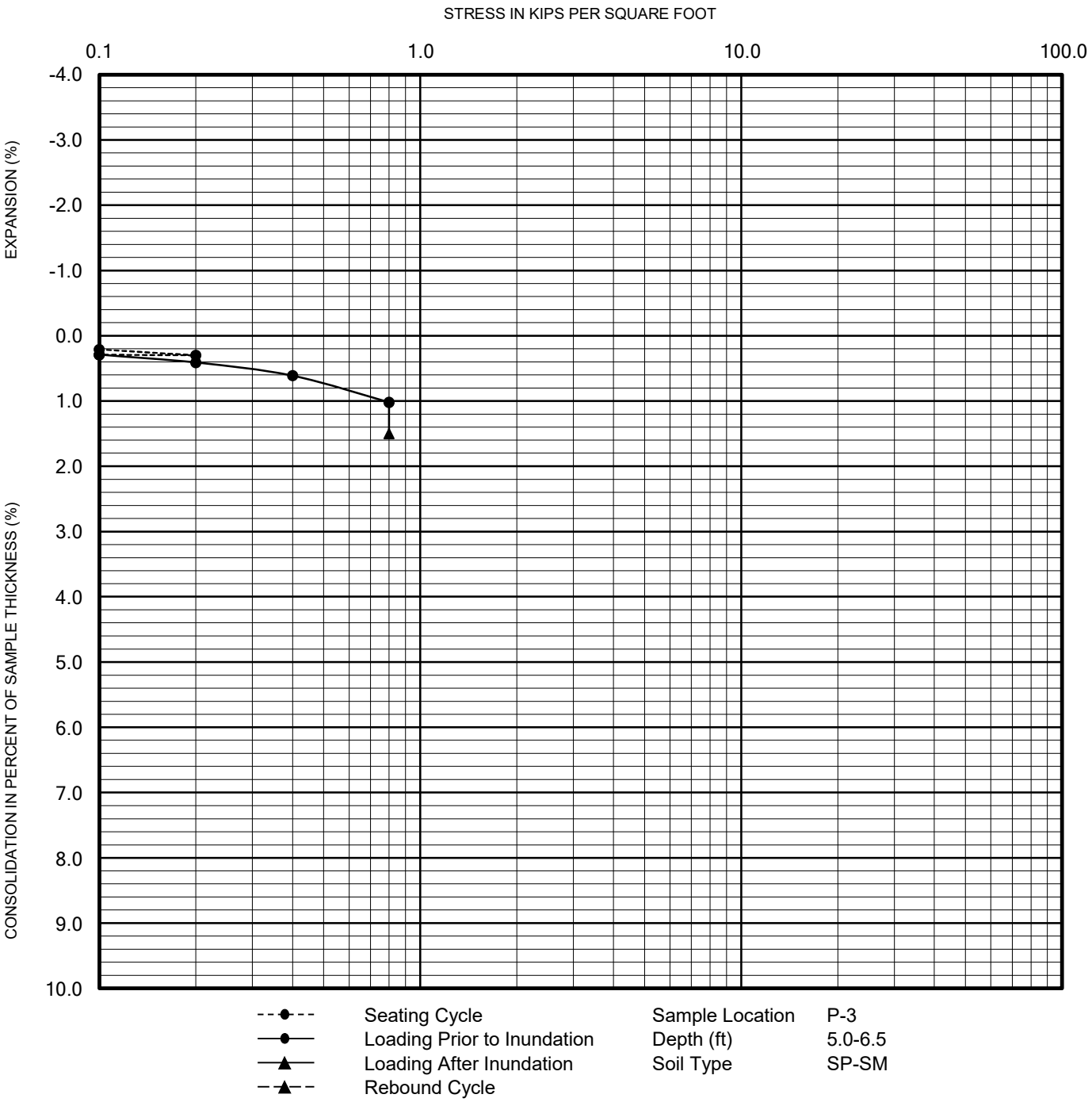
FIGURE B-5

CONSOLIDATION TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

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PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 2435

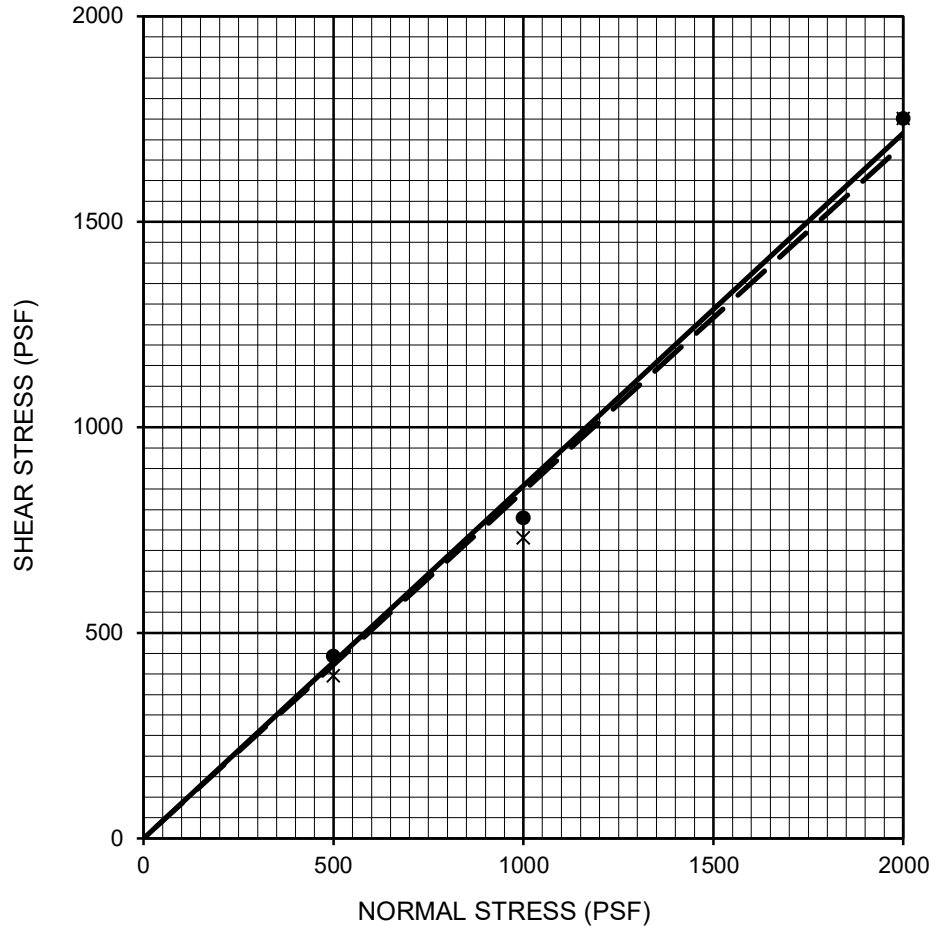
FIGURE B-6

CONSOLIDATION TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
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Description	Symbol	Sample Location	Depth (ft)	Shear Strength	Cohesion (psf)	Friction Angle (degrees)	Soil Type
SILTY SAND	●——	B-2	10.0-11.5	Peak	0	42	SM
SILTY SAND	– – X – –	B-2	10.0-11.5	Ultimate	0	43	SM

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 3080

FIGURE B-7

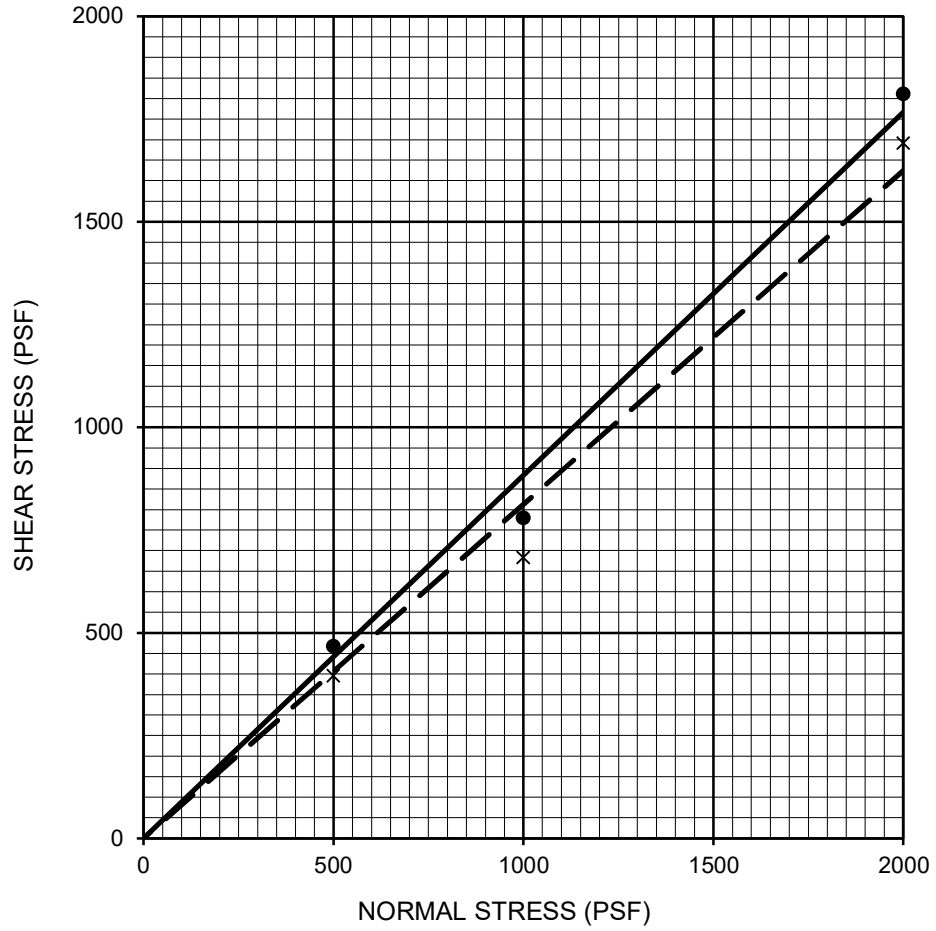
DIRECT SHEAR TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

212828001 | 4/25

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

212828001_B-7_DIRECT SHEAR @ B-7 10.0-11.5



Description	Symbol	Sample Location	Depth (ft)	Shear Strength	Cohesion (psf)	Friction Angle (degrees)	Soil Type
SILTY SAND	●——	B-3	10.0-11.5	Peak	0	42	SM
SILTY SAND	– – X – –	B-3	10.0-11.5	Ultimate	0	41	SM

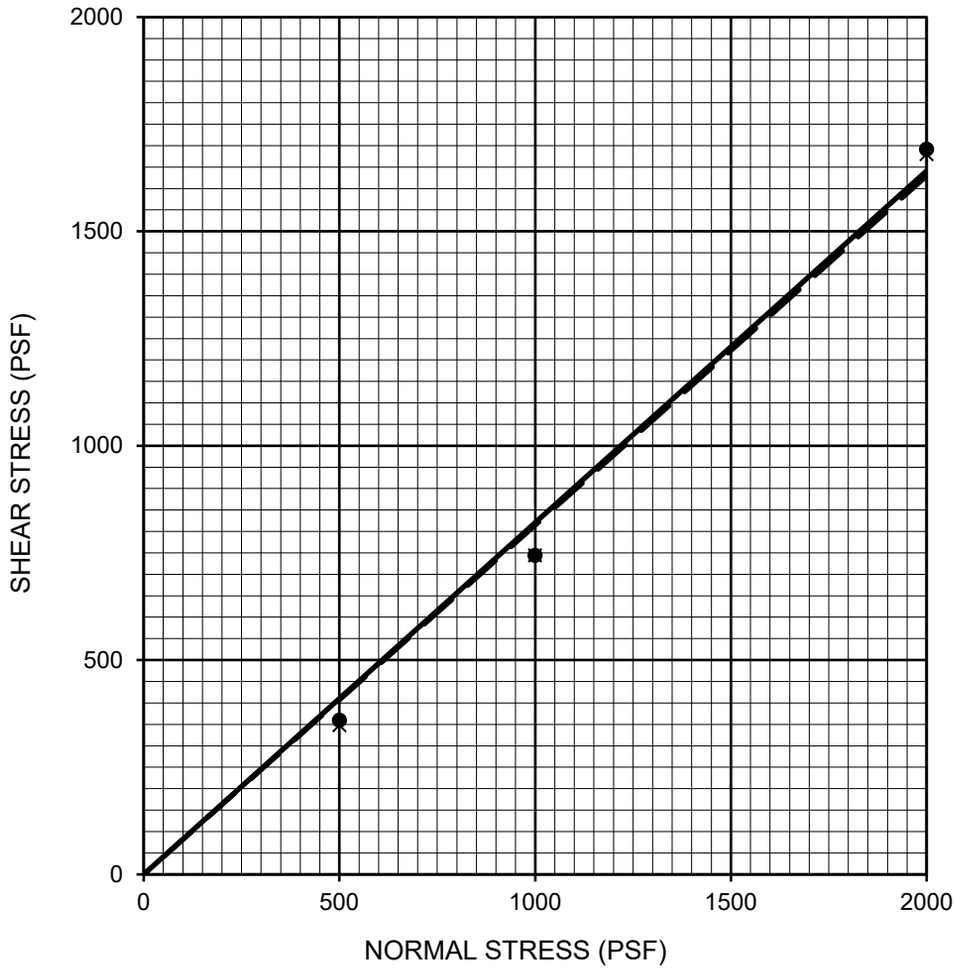
PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 3080

FIGURE B-8

DIRECT SHEAR TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants



Description	Symbol	Sample Location	Depth (ft)	Shear Strength	Cohesion (psf)	Friction Angle (degrees)	Soil Type
SILT WITH SAND	—●—	P-1	5.5-6.5	Peak	0	42	ML
SILT WITH SAND	– – X – –	P-1	5.5-6.5	Ultimate	0	42	ML

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 3080

FIGURE B-9

DIRECT SHEAR TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

212828001 | 4/25

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

SAMPLE LOCATION	SAMPLE DEPTH (ft)	pH [1]	RESISTIVITY [1] (ohm-cm)	SULFATE CONTENT [2]		CHLORIDE CONTENT [3] (ppm)
				(ppm)	(%)	
B-2	0.16-5.0	6.5	7,007	10	0.001	30
B-3	5.0-6.5	6.9	14,875	10	0.001	50

[1] PERFORMED IN GENERAL ACCORDANCE WITH CALIFORNIA TEST METHOD 643
[2] PERFORMED IN GENERAL ACCORDANCE WITH CALIFORNIA TEST METHOD 417
[3] PERFORMED IN GENERAL ACCORDANCE WITH CALIFORNIA TEST METHOD 422

FIGURE B-10

CORROSIVITY TEST RESULTS

MERCED AVENUE STORMWATER CAPTURE PROJECT
EL MONTE, CALIFORNIA

212828001 | 4/25

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APPENDIX C

Drum Characterization Test Results

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13 February 2025

Michelle Manzano
Ninyo & Moore
475 Goddard, Ste. 200
Irvine, CA 92618

RE: Merced Ave Stormwater Capture

Enclosed are the results of analyses for samples received by the laboratory on 02/06/25 13:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Steven Garcia
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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949.297.5027 Fax

Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite B1B6 AND B7B5	T250530-03	Soil	02/05/25 09:00	02/06/25 13:40

SunStar Laboratories, Inc.



Steven Garcia, Project Manager

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

DETECTIONS SUMMARY

Sample ID: Composite B1B6 AND B7B5 **Laboratory ID:** T250530-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**2.5**	2.0	mg/kg	EPA 6010b	
Barium	**64**	1.0	mg/kg	EPA 6010b	
Chromium	**15**	2.0	mg/kg	EPA 6010b	
Cobalt	**7.3**	2.0	mg/kg	EPA 6010b	
Copper	**17**	1.0	mg/kg	EPA 6010b	
Lead	**3.8**	3.0	mg/kg	EPA 6010b	
Nickel	**8.8**	2.0	mg/kg	EPA 6010b	
Vanadium	**31**	5.0	mg/kg	EPA 6010b	
Zinc	**35**	1.0	mg/kg	EPA 6010b	

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Composite B1B6 AND B7B5

T250530-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C6-C12 (GRO)	ND	10	mg/kg	1	25B0095	02/06/25	02/07/25	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*104 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	4.0	mg/kg	1	25B0074	02/07/25	02/10/25	EPA 6010b	
Arsenic	**2.5**	2.0	"	"	"	"	"	"	
Barium	**64**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	02/10/25	"	
Cadmium	ND	2.0	"	"	"	"	02/10/25	"	
Chromium	**15**	2.0	"	"	"	"	"	"	
Cobalt	**7.3**	2.0	"	"	"	"	"	"	
Copper	**17**	1.0	"	"	"	"	"	"	
Lead	**3.8**	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**8.8**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	2.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	**31**	5.0	"	"	"	"	"	"	
Zinc	**35**	1.0	"	"	"	"	"	"	
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	25B0073	02/07/25	02/10/25	EPA 7471A Soil	

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Composite B1B6 AND B7B5

T250530-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	25B0071	02/05/25	02/07/25	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Composite B1B6 AND B7B5

T250530-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	25B0071	02/05/25	02/07/25	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	2.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Acetone	ND	5.0	"	"	"	"	"	"	
Methyl ethyl ketone	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	5.0	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.6 %*	*75.4-139*		"	"	"	"	

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Composite B1B6 AND B7B5

T250530-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Dibromofluoromethane		*107 %*		*73.1-125*	*25B0071*	*02/05/25*	*02/07/25*	*EPA 8260B*	
Surrogate: Toluene-d8		*105 %*		*82.6-117*	*"*	*"*	*"*	*"*	

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25B0095 - EPA 3550B GC										
Blank (25B0095-BLK1)				Prepared: 02/06/25 Analyzed: 02/07/25						
C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*96.3*		*"*	*100*		*96.3*	*65-135*			
LCS (25B0095-BS1)				Prepared: 02/06/25 Analyzed: 02/07/25						
C13-C28 (DRO)	450	10	mg/kg	500		90.7	75-125			
Surrogate: p-Terphenyl	*95.1*		*"*	*100*		*95.1*	*65-135*			
Matrix Spike (25B0095-MS1)	**Source: T250525-05**			Prepared: 02/06/25 Analyzed: 02/07/25						
C13-C28 (DRO)	450	10	mg/kg	500	3.1	89.2	75-125			
Surrogate: p-Terphenyl	*97.3*		*"*	*100*		*97.3*	*65-135*			
Matrix Spike Dup (25B0095-MSD1)	**Source: T250525-05**			Prepared: 02/06/25 Analyzed: 02/07/25						
C13-C28 (DRO)	470	10	mg/kg	500	3.1	93.7	75-125	4.95	20	
Surrogate: p-Terphenyl	*103*		*"*	*100*		*103*	*65-135*			

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25B0074 - EPA 3050B										
Blank (25B0074-BLK1)				Prepared: 02/07/25 Analyzed: 02/10/25						
Antimony	ND	4.0	mg/kg							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Silver	ND	2.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (25B0074-BS1)				Prepared: 02/07/25 Analyzed: 02/10/25						
Arsenic	97.5	2.0	mg/kg	100		97.5	75-125			
Barium	102	1.0	"	100		102	75-125			
Cadmium	100	2.0	"	100		100	75-125			
Chromium	101	2.0	"	100		101	75-125			
Lead	100	3.0	"	100		100	75-125			
Matrix Spike (25B0074-MS1)	**Source: T250509-03**			Prepared: 02/07/25 Analyzed: 02/10/25						
Arsenic	77.6	2.0	mg/kg	100	1.93	75.7	75-125			
Barium	130	1.0	"	100	49.3	80.8	75-125			
Cadmium	76.1	2.0	"	100	0.462	75.7	75-125			
Chromium	92.2	2.0	"	100	13.8	78.4	75-125			
Lead	83.6	3.0	"	100	7.04	76.6	75-125			

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25B0074 - EPA 3050B										
Matrix Spike Dup (25B0074-MSD1)	**Source: T250509-03**			Prepared: 02/07/25 Analyzed: 02/10/25						
Arsenic	82.2	2.0	mg/kg	100	1.93	80.3	75-125	5.78	20	
Barium	135	1.0	"	100	49.3	85.5	75-125	3.61	20	
Cadmium	81.6	2.0	"	100	0.462	81.1	75-125	6.94	20	
Chromium	96.7	2.0	"	100	13.8	82.9	75-125	4.71	20	
Lead	89.0	3.0	"	100	7.04	81.9	75-125	6.23	20	

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25B0073 - EPA 7471A Soil										
Blank (25B0073-BLK1)				Prepared: 02/07/25 Analyzed: 02/10/25						
Mercury	ND	0.10	mg/kg							
LCS (25B0073-BS1)				Prepared: 02/07/25 Analyzed: 02/10/25						
Mercury	0.427	0.10	mg/kg	0.417		103	80-120			
Matrix Spike (25B0073-MS1)	**Source: T250509-03**			Prepared: 02/07/25 Analyzed: 02/10/25						
Mercury	0.529	0.10	mg/kg	0.417	0.132	95.2	80-120			
Matrix Spike Dup (25B0073-MSD1)	**Source: T250509-03**			Prepared: 02/07/25 Analyzed: 02/10/25						
Mercury	0.541	0.10	mg/kg	0.417	0.132	98.1	80-120	2.30	20	

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25B0071 - EPA 5030 GCMS										
Blank (25B0071-BLK1)				Prepared: 02/05/25 Analyzed: 02/06/25						
Bromobenzene	ND	2.5	ug/kg							
Bromochloromethane	ND	2.5	"							
Bromodichloromethane	ND	2.5	"							
Bromoform	ND	2.5	"							
Bromomethane	ND	2.5	"							
n-Butylbenzene	ND	2.5	"							
sec-Butylbenzene	ND	2.5	"							
tert-Butylbenzene	ND	2.5	"							
Carbon tetrachloride	ND	2.5	"							
Chlorobenzene	ND	2.5	"							
Chloroethane	ND	2.5	"							
Chloroform	ND	2.5	"							
Chloromethane	ND	2.5	"							
2-Chlorotoluene	ND	2.5	"							
4-Chlorotoluene	ND	2.5	"							
Dibromochloromethane	ND	2.5	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	2.5	"							
Dibromomethane	ND	2.5	"							
1,2-Dichlorobenzene	ND	2.5	"							
1,3-Dichlorobenzene	ND	2.5	"							
1,4-Dichlorobenzene	ND	2.5	"							
Dichlorodifluoromethane	ND	2.5	"							
1,1-Dichloroethane	ND	2.5	"							
1,2-Dichloroethane	ND	2.5	"							
1,1-Dichloroethene	ND	2.5	"							
cis-1,2-Dichloroethene	ND	2.5	"							
trans-1,2-Dichloroethene	ND	2.5	"							
1,2-Dichloropropane	ND	2.5	"							
1,3-Dichloropropane	ND	2.5	"							
2,2-Dichloropropane	ND	2.5	"							
1,1-Dichloropropene	ND	2.5	"							
cis-1,3-Dichloropropene	ND	2.5	"							
trans-1,3-Dichloropropene	ND	2.5	"							
Hexachlorobutadiene	ND	2.5	"							
Isopropylbenzene	ND	2.5	"							

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25B0071 - EPA 5030 GCMS										
Blank (25B0071-BLK1)				Prepared: 02/05/25 Analyzed: 02/06/25						
p-Isopropyltoluene	ND	2.5	ug/kg							
Methylene chloride	16.6	10	"							B-03
Naphthalene	ND	2.5	"							
n-Propylbenzene	ND	2.5	"							
Styrene	ND	2.5	"							
1,1,2,2-Tetrachloroethane	ND	2.5	"							
1,1,1,2-Tetrachloroethane	ND	2.5	"							
Tetrachloroethene	ND	2.5	"							
1,2,3-Trichlorobenzene	ND	2.5	"							
1,2,4-Trichlorobenzene	ND	2.5	"							
1,1,2-Trichloroethane	ND	2.5	"							
1,1,1-Trichloroethane	ND	2.5	"							
Trichloroethene	ND	2.5	"							
Trichlorofluoromethane	ND	2.5	"							
1,2,3-Trichloropropane	ND	2.5	"							
1,3,5-Trimethylbenzene	ND	2.5	"							
1,2,4-Trimethylbenzene	ND	2.5	"							
Vinyl chloride	ND	2.5	"							
Benzene	ND	2.5	"							
Toluene	ND	2.5	"							
Ethylbenzene	ND	2.5	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	2.5	"							
Acetone	ND	5.0	"							
Methyl ethyl ketone	ND	5.0	"							
Methyl isobutyl ketone	ND	5.0	"							
2-Hexanone (MBK)	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	*45.7*		*"*	*50.0*		*91.4*	*75.4-139*			
Surrogate: Dibromofluoromethane	*52.8*		*"*	*50.0*		*106*	*73.1-125*			
Surrogate: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*82.6-117*			

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Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 25B0071 - EPA 5030 GCMS										
LCS (25B0071-BS1)				Prepared: 02/05/25 Analyzed: 02/06/25						
Chlorobenzene	48.8	2.5	ug/kg	50.0		97.7	65.2-124			
1,1-Dichloroethene	55.9	2.5	"	50.0		112	60.9-131			
Trichloroethene	54.6	2.5	"	50.0		109	62.1-126			
Benzene	51.1	2.5	"	50.0		102	65.3-127			
Toluene	51.9	2.5	"	50.0		104	64.3-122			
Surrogate: 4-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.4*	*75.4-139*			
Surrogate: Dibromofluoromethane	*51.5*		*"*	*50.0*		*103*	*73.1-125*			
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*82.6-117*			
Matrix Spike (25B0071-MS1)	**Source: T250509-03**			Prepared: 02/05/25 Analyzed: 02/06/25						
Chlorobenzene	40.1	2.5	ug/kg	50.0	ND	80.2	65.2-125			
1,1-Dichloroethene	48.8	2.5	"	50.0	ND	97.6	60.9-131			
Trichloroethene	45.7	2.5	"	50.0	ND	91.5	62.1-126			
Benzene	43.8	2.5	"	50.0	ND	87.6	65.3-127			
Toluene	43.0	2.5	"	50.0	ND	85.9	64.3-125			
Surrogate: 4-Bromofluorobenzene	*48.9*		*"*	*50.0*		*97.8*	*75.4-139*			
Surrogate: Dibromofluoromethane	*52.9*		*"*	*50.0*		*106*	*73.1-125*			
Surrogate: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*82.6-117*			
Matrix Spike Dup (25B0071-MSD1)	**Source: T250509-03**			Prepared: 02/05/25 Analyzed: 02/06/25						
Chlorobenzene	40.2	2.5	ug/kg	50.0	ND	80.5	65.2-125	0.324	20	
1,1-Dichloroethene	47.0	2.5	"	50.0	ND	94.0	60.9-131	3.78	20	
Trichloroethene	44.4	2.5	"	50.0	ND	88.8	62.1-126	2.91	20	
Benzene	43.1	2.5	"	50.0	ND	86.1	65.3-127	1.73	20	
Toluene	42.8	2.5	"	50.0	ND	85.6	64.3-125	0.443	20	
Surrogate: 4-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.2*	*75.4-139*			
Surrogate: Dibromofluoromethane	*51.7*		*"*	*50.0*		*103*	*73.1-125*			
Surrogate: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*82.6-117*			

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949.297.5027 Fax

Ninyo & Moore	Project: Merced Ave Stormwater Capture	
475 Goddard, Ste. 200	Project Number: 212828001	**Reported:**
Irvine CA, 92618	Project Manager: Michelle Manzano	02/13/25 16:07

Notes and Definitions

B-03	Analyte present in blank due to being a common laboratory contaminant.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Chain of Custody Record

Client: Ninyo and Moore
Address: 475 Goddard Irvine
Phone: 949-678-3912 Fax: ---------
Project Manager: Michelle Manzano mmanzano@ninyoandmoore.com

Date: 2/6/2025 Page: 1 Of 1
Project Name: MERCED AVE STORMWATER CAPTURE
Collector: ARB Client Project #: 212828001
Batch #: T250530 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals					Laboratory ID #	Comments/Preservative	Total # of containers
B7B5	2/5/2025	10:00AM	SOIL	8oz JAR														01	ICE	1
B1B6	2/4/2025	9:00AM	SOIL	8oz JAR														02	ICE	1
																				2
Composite B1B6 AND B7B5					X							X	X						Composite B1B6 AND B7B5	

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Alec Billmeier	2/6/25 13:40	Pat Dunn	2/6/25 13:40

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 17.2°c

Turn around time:

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

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Receiving Form 001A

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T250530

Client Name: Ninyo & Moore Project: Merced Ave Stormwater Capture

Delivered by: ☑ Client ☐ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: Paul Date/Time Lab Received: 2/6/25 13:40

Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due: 11/19/2025

Temperature:	Cooler #1	17.1 °C +/- the CF (+ 0.1°C) =	17.2 °C	corrected temperature
Temperature:	Cooler #2	°C +/- the CF (+ 0.1°C) =	°C	corrected temperature
Temperature:	Cooler #3	°C +/- the CF (+ 0.1°C) =	°C	corrected temperature

Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☐ **Yes** ☑ **No** ☐ **N/A**
If NO:		
Samples received on ice?	☐ Yes	☑ **No → Complete Non-Conformance Sheet**
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☑ N/A
Sample containers intact	☑ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☑ Yes	☐ No*	
Total number of containers received match COC	☑ Yes	☐ No*	
Proper containers received for analyses requested on COC	☑ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☑ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☐ **Yes**	☑ **No***	

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: PB 2/6/25

Comments: The samples were received without ice.

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SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # T250530

- **COOLERS**
  - ☐ Not Received (received COC only)
  - ☐ Leaking/Damaged
  - ☐ Other:
- **CUSTODY SEALS**
  - ☐ None
  - ☐ Not Intact
- **TEMPERATURE (Temp criteria ≤ 6°C)**
  - ☑ Cooler/Sample Temp(s)
  - ☐ Temperature Blank(s)
- **CHAIN OF CUSTODY (COC)**
  - ☐ Not relinquished by client; No date/time relinquished
  - ☐ Incomplete information provided
  - ☐ COC not received – notify PM
- **CONTAINERS**
  - ☐ Leaking ☐ Broken
  - ☐ Extra ☐ Missing
- **LABELS**
  - ☐ Not the same sample ID / info as on the COC
  - ☐ Incomplete Information
  - ☐ Markings/Info illegible
- **SAMPLES**
  - ☐ Samples **NOT RECEIVED** but listed on COC
  - ☐ Samples received but **NOT LISTED** on COC
  - ☐ Logged based on Label Information and not COC
  - ☐ Logged according to Work Plan and not COC
  - ☐ Logged in, **ON HOLD** until further notice
  - ☐ Insufficient quantities for analysis
  - ☐ Improper container used
  - ☐ Mislabeled as to tests, preservatives, etc.
  - ☐ Holding time expired – list sample ID and test
  - ☐ Not preserved/Improper preservative used
  - ☐ Without Labels, no information on containers
  - ☐ VOA vial(s) containing headspace >6mm
  - ☐ Other

Project Manager notified of sample non-conformance(s) ☑ Yes ☐ No

All samples accepted for processing and distributing to laboratory(ies) ☑ Yes ☐ No

For samples not accepted due to non-conformance, specify each specific sample ID being rejected in the comments section below:

Comments:

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WORK ORDER

T250530

Client:	**Ninyo & Moore**	**Project Manager:**	**Steven Garcia**
Project:	**Merced Ave Stormwater Capture**	**Project Number:**	**212828001**

Report To:

Ninyo & Moore
Michelle Manzano
475 Goddard, Ste. 200
Irvine, CA 92618

Date Due:	02/13/25 17:00 (5 day TAT)		
Received By:	Paul Berner	Date Received:	02/06/25 13:40
Logged In By:	Angel Aguirre	Date Logged In:	02/06/25 14:53

Samples Received at:	**17.2°C**		
Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirme	No		

Analysis	Due	TAT	Expires	Comments
T250530-01 B7B5 [Soil] Sampled 02/05/25 10:00 (GMT-08:00) Pacific Time (US &				**for Composite**
[NO ANALYSES]				
T250530-02 B1B6 [Soil] Sampled 02/04/25 09:00 (GMT-08:00) Pacific Time (US &				**for Composite**
[NO ANALYSES]				
T250530-03 Composite B1B6 AND B7B5 [Soil] Sampled 02/05/25 09:00 (GMT-08:00) Pacific Time (US &				**2:1 Composite of (-01,-02)**
6010 Title 22	02/13/25 15:00	5	08/04/25 09:00	
8015 Carbon Chain	02/13/25 15:00	5	02/19/25 09:00	
8260	02/13/25 15:00	5	02/19/25 09:00	

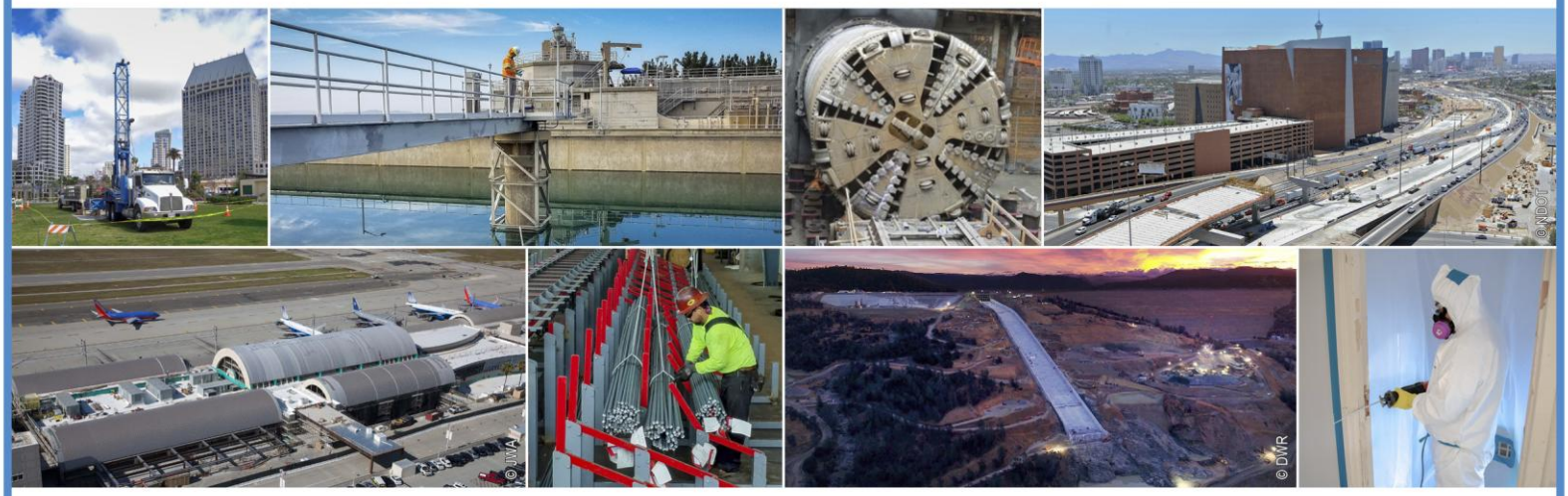
Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date



475 Goddard, Suite 200 | Irvine, California 92618 | p. 949.753.7070

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ninyoandmoore.com

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

APPENDIX E
Merced Avenue Stormwater Capture Greenhouse Gas Analysis

MERCED AVENUE STORMWATER CAPTURE

GREENHOUSE GAS ANALYSIS

Prepared By:

Haseeb Qureshi | hqureshi@urbanxroads.com
Ali Dadabhoy | adadabhoy@urbanxroads.com

Reference Number
15953-02 GHG Report

Agency
City of El Monte

Date
December 24, 2025

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LIST OF ABBREVIATED TERMS

%	Percent
°C	Degrees Celsius
°F	Degrees Fahrenheit
(1)	Reference
2017 Scoping Plan	*Final 2017 Scoping Plan Update*
AB	Assembly Bill
AB 32	Global Warming Solutions Act of 2006
AB 1493	Pavley Fuel Efficiency Standards
AB 1881	California Water Conservation Landscaping Act of 2006
Annex I	Industrialized Nations
AQIA	*Merced Avenue Stormwater Capture Air Quality Impact Analysis*
BAU	Business as Usual
C_2F_6	Hexafluoroethane
C_2H_6	Ethane
$C_2H_2F_4$	Tetrafluroethane
$C_2H_4F_2$	Ethylidene Fluoride
CAA	Federal Clean Air Act
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGAPS	California LBNL GHG Analysis of Policies Spreadsheet
CALGreen	California Green Building Standards Code
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resource Board
CEC	California Energy Commission
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CEQA Guidelines	*CEQA Statute and Guidelines*
CDFA	California Department of Food and Agriculture
CF_4	Tetrafluoromethane
CFC	Chlorofluorocarbons
CFC-113	Trichlorotrifluoroethane
CH_4	Methane
CNRA	California Natural Resources Agency
CNRA 2009	*2009 California Climate Adaptation Strategy*
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalent
Convention	United Nation's Framework Convention on Climate Change
COP	Conference of the Parties
County	City of El Monte
CPUC	California Public Utilities Commission

DWR	Department of Water Resources
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
EV	Electric Vehicle
GCC	Global Climate Change
Gg	Gigagram
GHGA	Greenhouse Gas Analysis
gpd	Gallons Per Day
gpm	Gallons Per Minute
GWP	Global Warming Potential
H_2O	Water
HFC	Hydrofluorocarbons
HDT	Heavy-Duty Trucks
HFC-23	Fluoroform
HFC-134a	1,1,1,2-tetrafluoroethane
HFC-152a	1,1-difluoroethane
hp	Horsepower
IPCC	Intergovernmental Panel on Climate Change
ISO	Independent System Operator
ITE	Institute of Transportation Engineers
kWh	Kilowatt Hours
lbs	Pounds
LBNL	Lawrence Berkeley National Laboratory
LCA	Life-Cycle Analysis
LCD	Liquid Crystal Display
LCFS	Low Carbon Fuel Standard or Executive Order S-01-07
LEV III	Low-Emission Vehicle
LULUCF	Land-Use, Land-Use Change and Forestry
MCY	Motorcycles
MDT	Medium-Duty Trucks
$MMTCO_2e$	Million Metric Ton of Carbon Dioxide Equivalent
mpg	Miles Per Gallon
MPOs	Metropolitan Planning Organizations
$MMTCO_2e/yr$	Million Metric Ton of Carbon Dioxide Equivalent Per Year
MT/yr	Metric Tons Per Year
$MTCO_2e$	Metric Ton of Carbon Dioxide Equivalent
$MTCO_2e/yr$	Metric Ton of Carbon Dioxide Equivalent Per Year
MW	Megawatts
MWh	Megawatts Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2O	Nitrous Oxide
NDC	Nationally Determined Contributions
NF_3	Nitrogen Trifluoride

NHTSA	National Highway Traffic Safety Administration
NIOSH	National Institute for Occupational Safety and Health
NO_X	Nitrogen Oxides
Non-Annex I	Developing Nations
OAL	Office of Administrative Law
OPR	Office of Planning and Research
PFC	Perfluorocarbons
ppb	Parts Per Billion
ppm	Parts Per Million
ppt	Parts Per Trillion
Project	Merced Avenue Stormwater Capture
RTP	Regional Transportation Plan
SAFE	Safer Affordable Fuel-Efficient Vehicles Rule
SB	Senate Bill
SB 32	California Global Warming Solutions Act of 2006
SB 375	Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies
SB 1078	Renewable Portfolio Standards
SB 1368	Statewide Retail Provider Emissions Performance Standards
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
Scoping Plan	California Air Resources Board Climate Change Scoping Plan
SCS	Sustainable Communities Strategy
sf	Square Feet
SF_6	Sulfur Hexaflouride
SLPS	Short-Lived Climate Pollutant Strategy
SP	Service Population
TDM	Transportation Demand Measures
Title 20	Appliance Energy Efficiency Standards
Title 24	California Building Code
U.N.	United Nations
U.S.	United States
UNFCCC	United Nations' Framework Convention on Climate Change
VMT	Vehicle Miles Traveled
WCI	Western Climate Initiative
WRI	World Resources Institute
ZE/NZE	Zero and Near-Zero Emissions
ZEV	Zero-Emissions Vehicles

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this Merced Avenue Stormwater Capture Greenhouse Gas Analysis (GHGA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the Guidelines for Implementation of the California Environmental Quality Act (CEQA Guidelines) (1). Table ES-1 shows the findings of significance for potential greenhouse gas (GHG) impacts under the California Environmental Quality Act (CEQA).

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
GHG Impact #1: Would the Project generate GHG emissions either directly or indirectly, that may have a significant impact on the environment?	3.7	*Less Than Significant*	*n/a*
GHG Impact #2: Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?	3.7	*Less Than Significant*	*n/a*

ES.2 REGULATORY REQUIREMENTS

The Project would be required to comply with regulations imposed by the State of California, the South Coast Air Quality Management District (SCAQMD), and the City of El Monte aimed at the reduction of air pollutant emissions. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of GHG emissions include.

- Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32) (2).
- Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies (Senate Bill [SB] 375) (3).
- Pavley Fuel Efficiency Standards (AB 1493). Establishes fuel efficiency ratings for new vehicles (4).
- California Building Code (Title 24 California Code of Regulations [CCR]). Establishes energy efficiency requirements for new construction (5).
- Appliance Energy Efficiency Standards (Title 20 CCR). Establishes energy efficiency requirements for appliances (6).
- Low Carbon Fuel Standard (LCFS). Requires carbon content of fuel sold in California to be 10 percent (%) less by 2020 (7).
- Statewide Retail Provider Emissions Performance Standards (SB 1368). Requires energy generators to achieve performance standards for GHG emissions (8).
- Renewable Portfolio Standards (RPS). Requires electric corporations to increase the amount of energy obtained from eligible renewable energy resources to 20% by 2010 and 33% by 2020. SB

350 mandated a 50% RPS by 2030. SB 100 increased the RPS requirements to 60% by 2030 with new interim targets of 44% by 2024 and 52% by 2027 (9).

- California Global Warming Solutions Act of 2006 (SB 32). Requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15 (10).

Promulgated regulations that would affect the Project's emissions are accounted for in the Project's GHG calculations provided in this report. In particular, AB 1493, LCFS, and RPS are accounted for in the Project's emission calculations.

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1 INTRODUCTION

This report presents the results of the GHGA prepared by Urban Crossroads, Inc., for the proposed Merced Avenue Stormwater Capture Project (Project). The purpose of this GHGA is to evaluate Project-related construction and operational emissions and determine the level of GHG impacts as a result of constructing and operating the Project.

1.1 SITE LOCATION

The Project site is located along Garvey Avenue and Merced Avenue to the Rio Hondo Channel in the City of El Monte, as shown in Exhibit 1-A.

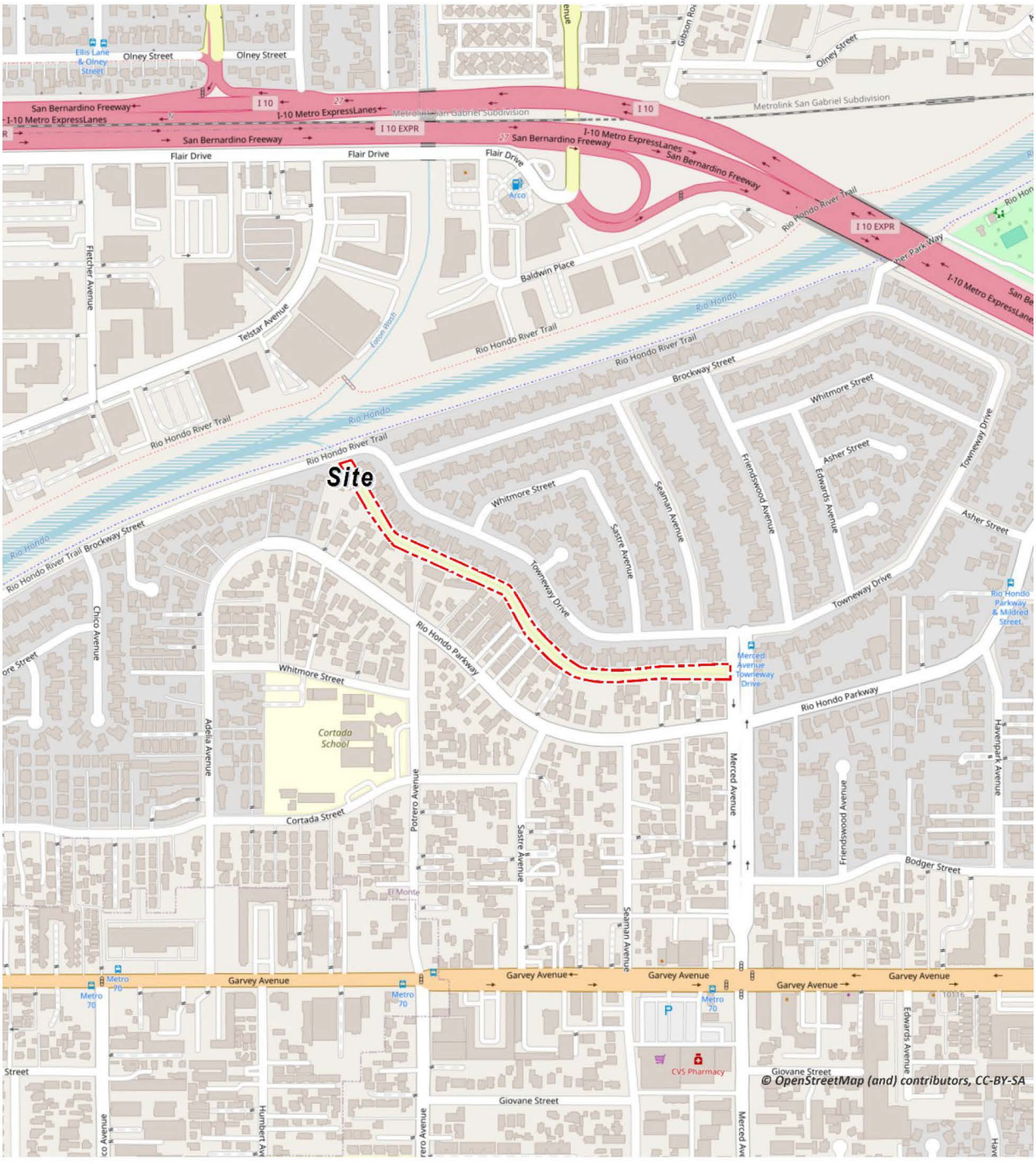
1.2 PROJECT DESCRIPTION

The City of El Monte ("City") proposes to replace the City-owned El Monte Storm Drain between Merced Avenue and Brockway Street utilizing funding from the Los Angeles County's Safe Clean Water Program (SCWP) ("Project"). The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail.

The Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared use path. An 8-foot tall, welded wire mesh fence is proposed along the southern perimeter of the site.

The area of disturbance for the Project is approximately 2.56 acres and will be limited to the Rio Hondo Channel, Merced Avenue and Brockway Street, as shown on Exhibit 1-B. Construction is anticipated to commence in May 2027 and be completed by December 2028.

EXHIBIT 1-A: LOCATION MAP



LEGEND:

Site Boundary

EXHIBIT 1-B: SITE PLAN



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2 CLIMATE CHANGE SETTING

2.1 INTRODUCTION TO GLOBAL CLIMATE CHANGE (GCC)

GCC is defined as the change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms. The majority of scientists believe that the climate shift taking place since the Industrial Revolution is occurring at a quicker rate and magnitude than in the past. Scientific evidence suggests that GCC is the result of increased concentrations of GHGs in the earth's atmosphere, including carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), and fluorinated gases. The majority of scientists believe that this increased rate of climate change is the result of GHGs resulting from human activity and industrialization over the past 200 years.

An individual project, like the Project evaluated in this GHGA, cannot generate enough GHG emissions to affect a discernible change in global climate. However, the Project may participate in the potential for GCC by its incremental contribution of GHGs combined with the cumulative increase of all other sources of GHGs, which when taken together constitute potential influences on GCC. Because these changes may have serious environmental consequences, Section 3 will evaluate the potential for the Project to have a significant effect upon the environment as a result of its potential contribution to the greenhouse effect.

2.2 GLOBAL CLIMATE CHANGE DEFINED

GCC refers to the change in average meteorological conditions on the earth with respect to temperature, wind patterns, precipitation, and storms. Global temperatures are regulated by naturally occurring atmospheric gases such as water vapor, CO_2, N_2O, CH_4, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6). These particular gases are important due to their residence time (duration they stay) in the atmosphere, which ranges from 10 years to more than 100 years. These gases allow solar radiation into the earth's atmosphere, but prevent radiative heat from escaping, thus warming the earth's atmosphere. GCC can occur naturally as it has in the past with the previous ice ages.

Gases that trap heat in the atmosphere are often referred to as GHGs. GHGs are released into the atmosphere by both natural and anthropogenic activity. Without the natural GHG effect, the earth's average temperature would be approximately 61 degrees Fahrenheit (°F) cooler than it is currently. The cumulative accumulation of these gases in the earth's atmosphere is considered to be the cause for the observed increase in the earth's temperature.

2.3 GHGS

2.3.1 GHGs and Health Effects

GHGs trap heat in the atmosphere, creating a GHG effect that results in global warming and climate change. Many gases demonstrate these properties as discussed in Table 2-1. For the purposes of this analysis, emissions of CO_2, CH_4, and N_2O were evaluated (see Table 3-4 later in this report) because these gases are the primary contributors to GCC from development projects. Although there are other substances such as fluorinated gases that also contribute to GCC, these fluorinated gases were not evaluated as their sources are not well-defined and do not contain accepted emissions factors or methodology to accurately calculate these gases.

TABLE 2-1: GHGS (1 OF 6)

GHGs	Description	Sources	Health Effects
Water	Water is the most abundant, important, and variable GHG in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere, it maintains a climate necessary for life. Changes in its concentration are primarily considered to be a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. Climate feedback is an indirect, or secondary, change, either positive or negative, that occurs within the climate system in response to a forcing mechanism. The feedback loop in which water is involved is critically important to projecting future climate change. As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to 'hold' more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the earth, thus	The main source of water vapor is evaporation from the oceans (approximately 85%). Other sources include evaporation from other water bodies, sublimation (change from solid to gas) from sea ice and snow, and transpiration from plant leaves.	There are no known direct health effects related to water vapor at this time. It should be noted however that when some pollutants react with water vapor, the reaction forms a transport mechanism for some of these pollutants to enter the human body through water vapor.

TABLE 2-1: GHGS (2 OF 6)

GHGs	Description	Sources	Health Effects
Water (Continued)	further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on. This is referred to as a "positive feedback loop." The extent to which this positive feedback loop would continue is unknown as there are also dynamics that hold the positive feedback loop in check. As an example, when water vapor increases in the atmosphere, more of it would eventually condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the earth's surface and heat it up) (11).		
CO_2	CO_2 is an odorless and colorless GHG. Since the industrial revolution began in the mid-1700s, the sort of human activity that increases GHG emissions has increased dramatically in scale and distribution. Data from the past 50 years suggests a corollary increase in levels and concentrations. As an example, prior to the industrial revolution, CO_2 concentrations were fairly stable at 280 parts per million (ppm). Today, they are around 370 ppm, an increase of more than 30%. Left unchecked, the concentration of CO_2 in the atmosphere is projected to increase to a minimum of 540	CO_2 is emitted from natural and manmade sources. Natural sources include: the decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources include: the burning of coal, oil, natural gas, and wood. CO_2 is naturally removed from the air by photosynthesis, dissolution into	Outdoor levels of CO_2 are not high enough to result in negative health effects. According to the National Institute for Occupational Safety and Health (NIOSH) high concentrations of CO_2 can result in health effects such as: headaches, dizziness, restlessness, difficulty breathing, sweating, increased heart rate, increased cardiac output, increased blood pressure, coma, asphyxia, and/or convulsions. It should be noted that current concentrations of CO_2 in the earth's atmosphere are estimated to be approximately 370 ppm, the actual reference

TABLE 2-1: GHGS (3 OF 6)

GHGs	Description	Sources	Health Effects
CO_2 (Continued)	ppm by 2100 as a direct result of anthropogenic sources (12).	ocean water, transfer to soils and ice caps, and chemical weathering of carbonate rocks (13).	exposure level (level at which adverse health effects typically occur) is at exposure levels of 5,000 ppm averaged over 10 hours in a 40-hour workweek and short-term reference exposure levels of 30,000 ppm averaged over a 15-minute period (14).
CH_4	CH_4 is an extremely effective absorber of radiation, although its atmospheric concentration is less than CO_2 and its lifetime in the atmosphere is brief (10-12 years), compared to other GHGs.	CH_4 in the atmosphere is generated by many different sources, such as fossil fuel production, transport and use, from the decay of organic matter in wetlands, and as a byproduct of digestion by ruminant animals such as cows. Determining which specific sources are responsible for variations in annual increases of CH_4 is complex, but scientists estimate that fossil fuel production and use contributes roughly 30% of the total CH_4 emissions. These industrial sources of CH_4 are relatively simple to pinpoint and control using current technology (15).	CH_4 is extremely reactive with oxidizers, halogens, and other halogen-containing compounds. Exposure to elevated levels of CH_4 can cause asphyxiation, loss of consciousness, headache and dizziness, nausea and vomiting, weakness, loss of coordination, and an increased breathing rate.

TABLE 2-1: GHGS (4 OF 6)

GHGs	Description	Sources	Health Effects
N_2O	N_2O, also known as laughing gas, is a colorless GHG. Concentrations of N_2O also began to rise at the beginning of the industrial revolution. In 1998, the global concentration was 314 parts per billion (ppb).	N_2O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is used as an aerosol spray propellant, i.e., in whipped cream bottles. It is also used in potato chip bags to keep chips fresh. It is used in rocket engines and in race cars. N_2O can be transported into the stratosphere, be deposited on the earth's surface, and be converted to other compounds by chemical reaction (16).	N_2O can cause dizziness, euphoria, and sometimes slight hallucinations. In small doses, it is considered harmless. However, in some cases, heavy and extended use can cause Olney's Lesions (brain damage) (16).
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in CH_4 or ethane (C_2H_6) with chlorine	CFCs have no natural source. They are found in aerosol	In confined indoor locations, working with CFC-113 or other CFCs is

TABLE 2-1: GHGS (5 OF 6)

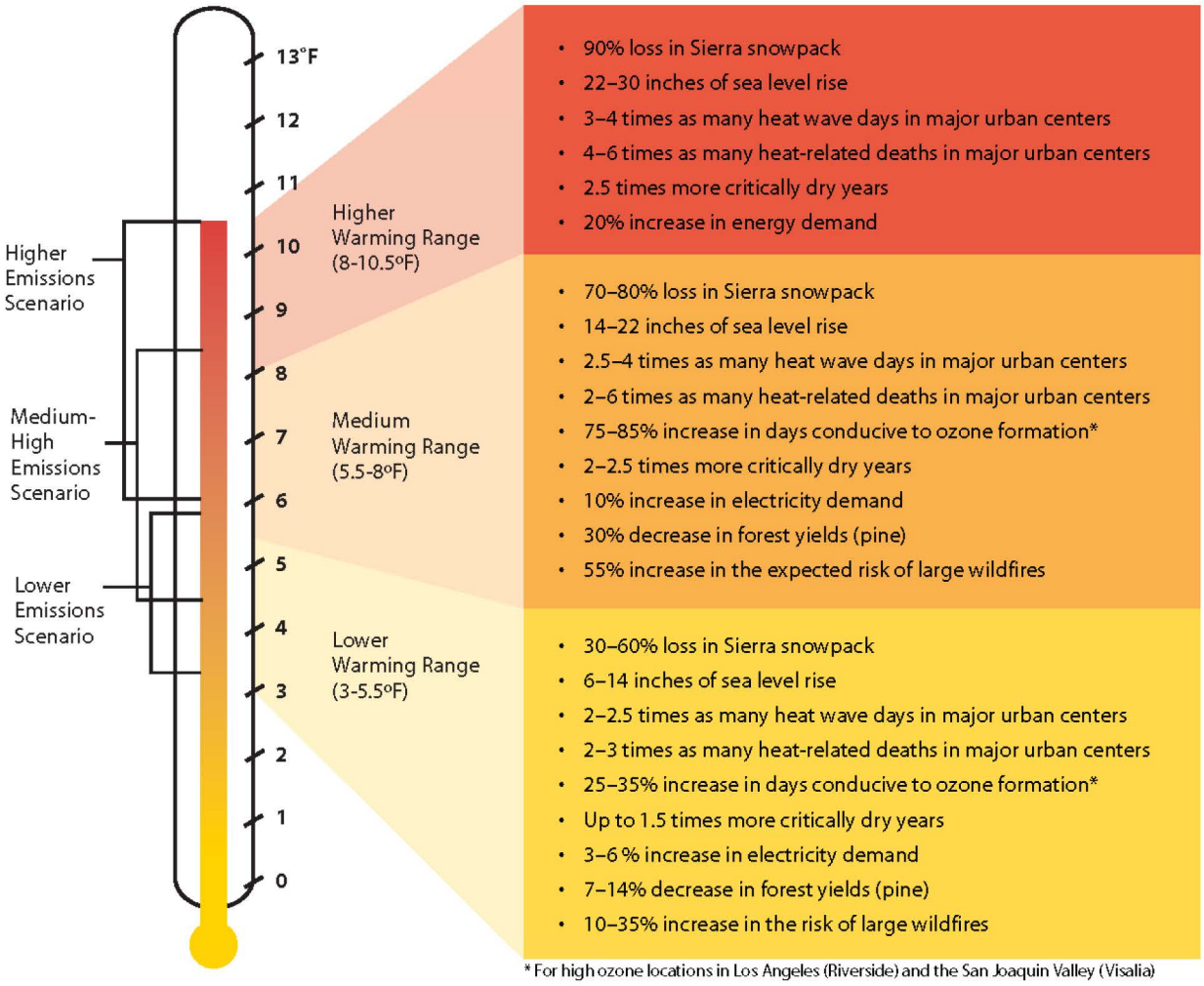
GHGs	Description	Sources	Health Effects
Chlorofluorocarbons (CFCs) (Continued)	and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble and chemically unreactive in the troposphere (the level of air at the earth's surface).	sprays, blowing agents for foams and packing materials, as solvents, and as refrigerants. (17).	thought to result in death by cardiac arrhythmia (heart frequency too high or too low) or asphyxiation.
HFCs	HFCs are synthetic, man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential (GWP). The HFCs with the largest measured atmospheric abundances are (in order), Fluoroform (HFC-23), 1,1,1,2-tetrafluoroethane (HFC-134a), and 1,1-difluoroethane (HFC-152a). Prior to 1990, the only significant emissions were of HFC-23. HCF-134a emissions are increasing due to its use as a refrigerant.	HFCs are manmade for applications such as automobile air conditioners and refrigerants.	No health effects are known to result from exposure to HFCs.
PFCs	PFCs have stable molecular structures and do not break down through chemical processes in the lower atmosphere. High-energy ultraviolet rays, which occur about 60 kilometers above earth's surface, are able to destroy the compounds. Because of this, PFCs have exceptionally long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF_4) and hexafluoroethane (C_2F_6). The EPA estimates that concentrations of CF_4 in the	The two main sources of PFCs are primary aluminum production and semiconductor manufacture.	No health effects are known to result from exposure to PFCs.

TABLE 2-1: GHGS (6 OF 6)

GHGs	Description	Sources	Health Effects
PFCs (Continued)	atmosphere are over 70 parts per trillion (ppt).		
SF_6	SF_6 is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It also has the highest GWP of any gas evaluated (23,900) (18). The EPA indicates that concentrations in the 1990s were about 4 ppt.	SF_6 is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.	In high concentrations in confined areas, the gas presents the hazard of suffocation because it displaces the oxygen needed for breathing.
Nitrogen Trifluoride (NF_3)	NF_3 is a colorless gas with a distinctly moldy odor. The World Resources Institute (WRI) indicates that NF_3 has a 100-year GWP of 17,200 (19).	NF_3 is used in industrial processes and is produced in the manufacturing of semiconductors, Liquid Crystal Display (LCD) panels, types of solar panels, and chemical lasers.	Long-term or repeated exposure may affect the liver and kidneys and may cause fluorosis (20).

The potential health effects related directly to the emissions of CO_2, CH_4, and N_2O as they relate to development projects, such as the Project, are still being debated in the scientific community. Their cumulative effects to GCC have the potential to cause adverse effects to human health. Increases in Earth's ambient temperatures would result in more intense heat waves, causing more heat-related deaths. Exhibit 2-A presents the potential impacts of global warming (21).

EXHIBIT 2-A: SUMMARY OF PROJECTED GLOBAL WARMING IMPACT, 2070-2099 (AS COMPARED WITH 1961-1990)



Source: Barbara H. Allen-Diaz. "Climate change affects us all." *University of California, Agriculture and Natural Resources*, 2009.

2.4 GLOBAL WARMING POTENTIAL (GWP)

GHGs have varying GWP values. GWP of a GHG indicates the amount of warming a gas cause over a given period of time and represents the potential of a gas to trap heat in the atmosphere. CO_2 is utilized as the reference gas for GWP, and thus has a GWP of 1. CO_2 equivalent (CO_2e) is a term used for describing the different GHGs in a common unit. CO_2e signifies the amount of CO_2 which would have the equivalent GWP.

The Intergovernmental Panel on Climate Change (IPCC) is the international body for assessing the science related to climate change. IPCC Assessment Reports cover the full scientific, technical and socio-economic assessment of climate change. The atmospheric lifetime and GWP of selected GHGs are summarized at Table 2-2. As shown in the table below, GWP for the 2nd Assessment Report range from 1 for CO_2 to 23,900 for SF_6 and GWP for the 6th Assessment Report range from 1 for CO_2 to 25,200 for SF_6 (22).

TABLE 2-2: GWP AND ATMOSPHERIC LIFETIME OF SELECT GHGS

Gas	Atmospheric Lifetime (years)	GWP (100-year time horizon)	
		2nd Assessment Report	6th Assessment Report
CO_2	Multiple	1	1
CH_4	11.8	21	28
N_2O	109	310	273
HFC-23	228	11,700	14,600
HFC-134a	14	1,300	1,526
HFC-152a	1.6	140	164
SF_6	3,200	23,900	25,200

Source: IPCC Second Assessment Report, 1995 and IPCC Sixth Assessment Report, 2023

2.5 GHG EMISSIONS INVENTORIES

2.5.1 Global

Worldwide anthropogenic GHG emissions are tracked by the IPCC for industrialized nations (referred to as Annex I) and developing nations (referred to as Non-Annex I). Human GHG emissions data for Annex I nations are available through 2021. Based on the latest available data, the sum of these emissions totaled approximately 28,272,940 gigagram (Gg) CO_2e[1] (23) (24) as summarized on Table 2-3.

2.5.2 United States

As noted in Table 2-3, the United States, as a single country, was the number two producer of GHG emissions in 2021.

2.5.3 State of California

California has significantly slowed the rate of growth of GHG emissions due to the implementation of energy efficiency programs as well as adoption of strict emission controls but is still a substantial contributor to the United States (U.S.) emissions inventory total (16). The California Air Resource Board (CARB) compiles GHG inventories for the State of California. Based upon the 2024 GHG inventory data (i.e., the latest year for which data are available) for the 2000-2022 GHG emissions period, California emitted an average 371.1 million metric tons of CO_2e per year ($MMTCO_2e/yr$) or 371,100 Gg CO_2e (5.85% of the total United States GHG emissions) (25). Based on data published by the U.S. Energy Information Administration, California's per capita (9.12 metric tons) GHG emissions are much less than the nationwide per capita (15.8 metric ton) average (26).

[1] The global emissions are the sum of Annex I and non-Annex I countries, without counting Land-Use, Land-Use Change and Forestry (LULUCF). For countries without 2021 data, the United Nations' Framework Convention on Climate Change (UNFCCC) data for the most recent year were used U.N. Framework Convention on Climate Change, "Annex I Parties – GHG total without LULUCF," The most recent GHG emissions for China and India are from 2014 and 2016, respectively.

TABLE 2-3: TOP GHG PRODUCING COUNTRIES AND THE EUROPEAN UNION

Emitting Countries	GHG Emissions (Gg CO_2e)
China	12,300,200
United States	6,340,228
European Union (27-member countries)	3,468,394
India	2,839,425
Russian Federation	2,156,599
Japan	1,168,094
Total	28,272,940

2.6 EFFECTS OF CLIMATE CHANGE IN CALIFORNIA

2.6.1 Public Health

Higher temperatures may increase the frequency, duration, and intensity of conditions conducive to air pollution formation. For example, days with weather conducive to ozone formation could increase from 25 to 35% under the lower warming range to 75 to 85% under the medium warming range. In addition, if global background ozone levels increase as predicted in some scenarios, it may become impossible to meet local air quality standards. Air quality could be further compromised by increases in wildfires, which emit fine particulate matter that can travel long distances, depending on wind conditions. Based on *Our Changing Climate Assessing the Risks to California by the California Climate Change Center*, large wildfires could become up to 55% more frequent if GHG emissions are not significantly reduced (27).

In addition, under the higher warming range scenario, there could be up to 100 more days per year with temperatures above 90°F in Los Angeles and 95°F in Sacramento by 2100. This is a significant increase over historical patterns and approximately twice the increase projected if temperatures remain within or below the lower warming range. Rising temperatures could increase the risk of death from dehydration, heat stroke/exhaustion, heart attack, stroke, and respiratory distress caused by extreme heat.

2.6.2 Water Resources

A vast network of man-made reservoirs and aqueducts captures and transports water throughout the state from northern California rivers and the Colorado River. The current distribution system relies on Sierra Nevada snowpack to supply water during the dry spring and summer months. Rising temperatures, potentially compounded by decreases in precipitation, could severely reduce spring snowpack, increasing the risk of summer water shortages.

If temperatures continue to increase, more precipitation could fall as rain instead of snow, and the snow that does fall could melt earlier, reducing the Sierra Nevada spring snowpack by as much as 70 to 90%. Under the lower warming range scenario, snowpack losses could be only half as large as those possible if temperatures were to rise to the higher warming range. How much snowpack could be lost depends in part on future precipitation patterns, the projections for which remain uncertain. However, even under the wetter climate projections, the loss of snowpack could pose challenges to

water managers and hamper hydropower generation. It could also adversely affect winter tourism. Under the lower warming range, the ski season at lower elevations could be reduced by as much as a month. If temperatures reach the higher warming range and precipitation declines, there might be many years with insufficient snow for skiing and snowboarding.

The State's water supplies are also at risk from rising sea levels. An influx of saltwater could degrade California's estuaries, wetlands, and groundwater aquifers. Saltwater intrusion caused by rising sea levels is a major threat to the quality and reliability of water within the southern edge of the Sacramento/San Joaquin River Delta – a major fresh water supply.

2.6.3 Agriculture

Increased temperatures could cause widespread changes to the agriculture industry reducing the quantity and quality of agricultural products statewide. First, California farmers could possibly lose as much as 25% of the water supply needed. Although higher CO_2 levels can stimulate plant production and increase plant water-use efficiency, California's farmers could face greater water demand for crops and a less reliable water supply as temperatures rise. Crop growth and development could change, as could the intensity and frequency of pest and disease outbreaks. Rising temperatures could aggravate ozone pollution, which makes plants more susceptible to disease and pests and interferes with plant growth.

Plant growth tends to be slow at low temperatures, increasing with rising temperatures up to a threshold. However, faster growth can result in less-than-optimal development for many crops, so rising temperatures could worsen the quantity and quality of yield for a number of California's agricultural products. Products likely to be most affected include wine grapes, fruits, and nuts.

In addition, continued GCC could shift the ranges of existing invasive plants and weeds and alter competition patterns with native plants. Range expansion could occur in many species while range contractions may be less likely in rapidly evolving species with significant populations already established. Should range contractions occur, new or different weed species could fill the emerging gaps. Continued GCC could alter the abundance and types of many pests, lengthen pests' breeding season, and increase pathogen growth rates.

2.6.4 Forests and Landscapes

GCC has the potential to intensify the current threat to forests and landscapes by increasing the risk of wildfire and altering the distribution and character of natural vegetation. If temperatures rise into the medium warming range, the risk of large wildfires in California could increase by as much as 55%, which is almost twice the increase expected if temperatures stay in the lower warming range. However, since wildfire risk is determined by a combination of factors, including precipitation, winds, temperature, and landscape and vegetation conditions, future risks would not be uniform throughout the state. In contrast, wildfires in northern California could increase by up to 90% due to decreased precipitation.

Moreover, continued GCC has the potential to alter natural ecosystems and biological diversity within the state. For example, alpine and subalpine ecosystems could decline by as much as 60 to 80% by the end of the century as a result of increasing temperatures. The productivity of the state's forests has the potential to decrease as a result of GCC.

2.6.5 Rising Sea Levels

Rising sea levels, more intense coastal storms, and warmer water temperatures could increasingly threaten the state's coastal regions. Under the higher warming range scenario, sea level is anticipated to rise 22 to 35 inches by 2100. Elevations of this magnitude would inundate low-lying coastal areas with saltwater, accelerate coastal erosion, threaten vital levees and inland water systems, and disrupt wetlands and natural habitats. Under the lower warming range scenario, sea level could rise 12-14 inches.

2.7 Regulatory Setting

2.7.1 International

Climate change is a global issue involving GHG emissions from all around the world; therefore, countries such as the ones discussed below have made an effort to reduce GHGs.

IPCC

In 1988, the United Nations (U.N.) and the World Meteorological Organization established the IPCC to assess the scientific, technical, and socioeconomic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

United Nation's Framework Convention on Climate Change (UNFCCC)

On March 21, 1994, the U.S. joined a number of countries around the world in signing the Convention. Under the UNFCCC, governments gather and share information on GHG emissions, national policies, and best practices; launch national strategies for addressing GHG emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

International Climate Change Treaties

The Kyoto Protocol is an international agreement linked to the UNFCCC. The major feature of the Kyoto Protocol is that it sets binding targets for 37 industrialized countries and the European community for reducing GHG emissions at an average of 5% against 1990 levels over the five-year period 2008–2012. The Convention (as discussed above) encouraged industrialized countries to stabilize emissions; however, the Protocol commits them to do so. Developed countries have contributed more emissions over the last 150 years; therefore, the Protocol places a heavier burden on developed nations under the principle of "common but differentiated responsibilities."

In 2001, President George W. Bush indicated that he would not submit the treaty to the U.S. Senate for ratification, which effectively ended American involvement in the Kyoto Protocol. In December 2009, international leaders met in Copenhagen to address the future of international climate change commitments post-Kyoto. No binding agreement was reached in Copenhagen; however, the UN Climate Change Committee identified the long-term goal of limiting the maximum global average temperature increase to no more than 2 degrees Celsius (°C) above pre-industrial levels, subject to a review in 2015. The Committee held additional meetings in Durban, South Africa in November 2011; Doha, Qatar in November 2012; and Warsaw, Poland in November 2013. The meetings gradually gained consensus among participants on individual climate change issues.

On September 23, 2014, more than 100 Heads of State and Government and leaders from the private sector and civil society met at the Climate Summit in New York hosted by the U.N. At the Summit, heads of government, business and civil society announced actions in areas that would have the greatest impact on reducing emissions, including climate finance, energy, transport, industry, agriculture, cities, forests, and building resilience.

Parties to the UNFCCC reached a landmark agreement on December 12, 2015, in Paris, charting a fundamentally new course in the two-decade-old global climate effort. Culminating a four-year negotiating round, the new treaty ends the strict differentiation between developed and developing countries that characterized earlier efforts, replacing it with a common framework that commits all countries to put forward their best efforts and to strengthen them in the years ahead. This includes, for the first time, requirements that all parties report regularly on their emissions and implementation efforts and undergo international review.

The agreement and a companion decision by parties were the key outcomes of the conference, known as the 21st session of the UNFCCC Conference of the Parties (COP) 21. Together, the Paris Agreement and the accompanying COP decision:

- Reaffirm the goal of limiting global temperature increase well below 2°C, while urging efforts to limit the increase to 1.5 degrees;
- Establish binding commitments by all parties to make "nationally determined contributions" (NDCs), and to pursue domestic measures aimed at achieving them;
- Commit all countries to report regularly on their emissions and "progress made in implementing and achieving" their NDCs, and to undergo international review;
- Commit all countries to submit new NDCs every five years, with the clear expectation that they would "represent a progression" beyond previous ones;
- Reaffirm the binding obligations of developed countries under the UNFCCC to support the efforts of developing countries, while for the first time encouraging voluntary contributions by developing countries too;
- Extend the current goal of mobilizing $100 billion a year in support by 2020 through 2025, with a new, higher goal to be set for the period after 2025;
- Extend a mechanism to address "loss and damage" resulting from climate change, which explicitly would not "involve or provide a basis for any liability or compensation;"
- Require parties engaging in international emissions trading to avoid "double counting;" and
- Call for a new mechanism, similar to the Clean Development Mechanism under the Kyoto Protocol, enabling emission reductions in one country to be counted toward another country's NDC (C2ES 2015a) (28).

Following President Biden's day one executive order, the United States officially rejoined the landmark Paris Agreement on February 19, 2021, positioning the country to once again be part of the global climate solution. Meanwhile, city, state, business, and civic leaders across the country and around the world have been ramping up efforts to drive the clean energy advances needed to meet the goals of the agreement and put the brakes on dangerous climate change.

2.7.2 National

Prior to the last decade, there have been no concrete federal regulations of GHGs or major planning for climate change adaptation. The following are actions regarding the federal government, GHGs, and fuel efficiency.

GHG Endangerment

In *Massachusetts v. Environmental Protection Agency* 549 U.S. 497 (2007), decided on April 2, 2007, the United States Supreme Court (Supreme Court) found that four GHGs, including CO_2, are air pollutants subject to regulation under Section 202(a)(1) of the Clean Air Act (CAA). The Supreme Court held that the EPA Administrator must determine whether emissions of GHGs from new motor vehicles cause or contribute to air pollution, which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. On December 7, 2009, the EPA Administrator signed two distinct findings regarding GHGs under Section 202(a) of the CAA:

- Endangerment Finding: The Administrator finds that the current and projected concentrations of the six key well-mixed GHGs— CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations.
- Cause or Contribute Finding: The Administrator finds that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution, which threatens public health and welfare.

These findings do not impose requirements on industry or other entities. However, this was a prerequisite for implementing GHG emissions standards for vehicles, as discussed in the section "Clean Vehicles" below. After a lengthy legal challenge, the Supreme Court declined to review an Appeals Court ruling that upheld the EPA Administrator's findings (29).

Clean Vehicles

Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On May 19, 2009, President Obama put in motion a new national policy to increase fuel economy for all new cars and trucks sold in the U.S. On April 1, 2010, the EPA, and the Department of Transportation's National Highway Traffic Safety Administration (NHTSA) announced a joint final rule establishing a national program that would reduce GHG emissions and improve fuel economy for new cars and trucks sold in the U.S.

The first phase of the national program applies to passenger cars, light-duty trucks, and medium-duty (MD) passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of CO_2 per mile, equivalent to 35.5 miles per gallon (mpg) if the automobile industry were to meet this CO_2 level solely through fuel economy improvements. Together, these standards would cut CO_2 emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012–2016). In August 2012, the EPA and the NHTSA issued final rules on a second-phase joint rulemaking establishing national standards for light-duty vehicles for model years 2017 through 2025. The new standards apply to passenger cars, light-duty trucks, and MD passenger vehicles. The final standards are projected to result in an average industry fleetwide level

of 163 grams/mile of CO_2 in model year 2025, which is equivalent to 54.5 mpg if achieved exclusively through fuel economy improvements.

The EPA and the U.S. Department of Transportation issued final rules for the first national standards to reduce GHG emissions and improve fuel efficiency of heavy-duty trucks (HDT) and buses on September 15, 2011, effective November 14, 2011. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20% reduction in CO_2 emissions and fuel consumption by the 2018 model year. For HDT and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10% reduction for gasoline vehicles and a 15% reduction for diesel vehicles by the 2018 model year (12 and 17%, respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the engine and vehicle standards would achieve up to a 10% reduction in fuel consumption and CO_2 emissions from the 2014 to 2018 model years.

On April 2, 2018, the EPA signed the Mid-term Evaluation Final Determination, which declared that the MY 2022-2025 GHG standards are not appropriate and should be revised (30). This Final Determination serves to initiate a notice to further consider appropriate standards for MY 2022-2025 light-duty vehicles. On August 2, 2018, the NHTSA in conjunction with the EPA, released a notice of proposed rulemaking, the *Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks* (SAFE Vehicles Rule). The SAFE Vehicles Rule was proposed to amend existing Corporate Average Fuel Economy (CAFE) and tailpipe CO_2 standards for passenger cars and light trucks and to establish new standards covering model years 2021 through 2026. As of March 31, 2020, the NHTSA and EPA finalized the SAFE Vehicle Rule which increased stringency of CAFE and CO_2 emissions standards by 1.5% each year through model year 2026 (31). On December 21, 2021, after reviewing all the public comments submitted on NHTSA's April 2021 Notice of Proposed Rulemaking, NHTSA finalizes the CAFE Preemption rulemaking to withdraw its portions of the so-called SAFE I Rule. The final rule concludes that the SAFE I Rule overstepped the agency's legal authority and established overly broad prohibitions that did not account for a variety of important state and local interests. The final rule ensures that the SAFE I Rule will no longer form an improper barrier to states exploring creative solutions to address their local communities' environmental and public health challenges (32).

On March 31, 2022, NHTSA finalized CAFE standards for MY 2024-2026. The standards for passenger cars and light trucks for MYs 2024-2025 were increased at a rate of 8% per year and then increased at a rate of 10% per year for MY 2026 vehicles. NHTSA currently projects that the revised standards would require an industry fleet-wide average of roughly 49 mpg in MY 2026 and would reduce average fuel outlays over the lifetimes of affected vehicles that provide consumers hundreds of dollars in net savings. These standards are directly responsive to the agency's statutory mandate to improve energy conservation and reduce the nation's energy dependence on foreign sources (33).

Mandatory Reporting of GHGs

The Consolidated Appropriations Act of 2008, passed in December 2007, requires the establishment of mandatory GHG reporting requirements. On September 22, 2009, the EPA issued the Final Mandatory Reporting of GHGs Rule, which became effective January 1, 2010. The rule requires reporting of GHG emissions from large sources and suppliers in the U.S. and is intended to collect accurate and timely emissions data to inform future policy decisions. Under the rule, suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000

metric tons per year (MT/yr) or more of GHG emissions are required to submit annual reports to the EPA.

New Source Review

The EPA issued a final rule on May 13, 2010, that establishes thresholds for GHGs that define when permits under the New Source Review Prevention of Significant Deterioration and Title V Operating Permit programs are required for new and existing industrial facilities. This final rule "tailors" the requirements of these CAA permitting programs to limit which facilities would be required to obtain Prevention of Significant Deterioration and Title V permits. In the preamble to the revisions to the Federal Code of Regulations, the EPA states:

> *"This rulemaking is necessary because without it the Prevention of Significant Deterioration and Title V requirements would apply, as of January 2, 2011, at the 100 or 250 tons per year levels provided under the CAA, greatly increasing the number of required permits, imposing undue costs on small sources, overwhelming the resources of permitting authorities, and severely impairing the functioning of the programs. EPA is relieving these resource burdens by phasing in the applicability of these programs to GHG sources, starting with the largest GHG emitters. This rule establishes two initial steps of the phase-in. The rule also commits the agency to take certain actions on future steps addressing smaller sources but excludes certain smaller sources from Prevention of Significant Deterioration and Title V permitting for GHG emissions until at least April 30, 2016."*

The EPA estimates that facilities responsible for nearly 70% of the national GHG emissions from stationary sources would be subject to permitting requirements under this rule. This includes the nation's largest GHG emitters—power plants, refineries, and cement production facilities.

Standards of Performance for GHG Emissions for New Stationary Sources: Electric Utility Generating Units

As required by a settlement agreement, the EPA proposed new performance standards for emissions of CO_2 for new, affected, fossil fuel-fired electric utility generating units on March 27, 2012. New sources greater than 25 megawatts (MW) would be required to meet an output-based standard of 1,000 pounds (lbs) of CO_2 per MW-hour (MWh), based on the performance of widely used natural gas combined cycle technology. It should be noted that on February 9, 2016, the Supreme Court issued a stay of this regulation pending litigation. Additionally, the current EPA Administrator has also signed a measure to repeal the Clean Power Plan, including the CO_2 standards. The Clean Power Plan was officially repealed on June 19, 2019, when the EPA issued the final Affordable Clean Energy rule (ACE). Under ACE, new state-specific emission guidelines were established that provided existing coal-fired electric utility generating units with achievable standards.

On January 19, 2021, the D.C. Circuit Court of Appeals ruled that the EPA's ACE Rule for GHG emissions from power plants rested on an erroneous interpretation of the CAA that barred EPA from considering measures beyond those that apply at and to an individual source. The court therefore vacated and remanded the ACE Rule and adopted a replacement rule which regulates CO_2 emissions from existing power plants, potentially again considering generation shifting and other measures to more aggressively target power sector emissions.

Cap-and-Trade

Cap-and-trade refers to a policy tool where emissions are limited to a certain amount and can be traded or provides flexibility on how the emitter can comply. Successful examples in the U.S. include the Acid Rain Program and the N_2O Budget Trading Program and Clean Air Interstate Rule in the northeast. There is no federal GHG cap-and-trade program currently; however, some states have joined to create initiatives to provide a mechanism for cap-and-trade.

The Regional GHG Initiative is an effort to reduce GHGs among the states of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont. Each state caps CO_2 emissions from power plants, auctions CO_2 emission allowances, and invests the proceeds in strategic energy programs that further reduce emissions, save consumers money, create jobs, and build a clean energy economy. The Initiative began in 2008 and has retained all participating states as of 2020.

The Western Climate Initiative (WCI) partner jurisdictions have developed a comprehensive initiative to reduce regional GHG emissions to 15% below 2005 levels by 2020. The partners were originally California, British Columbia, Manitoba, Ontario, and Quebec. However, Manitoba and Ontario are not currently participating. California linked with Quebec's cap-and-trade system January 1, 2014, and joint offset auctions took place in 2015. While the WCI has yet to publish whether it has successfully reached the 2020 emissions goal initiative set in 2007, SB 32 requires that California, a major partner in the WCI, adopt the goal of reducing statewide GHG emissions to 40% below the 1990 level by 2030.

Executive Order 13990

On January 20, 2021, Federal agencies were directed to immediately review, and take action to address, Federal regulations promulgated and other actions taken during the last 4 years that conflict with national objectives to improve public health and the environment; ensure access to clean air and water; limit exposure to dangerous chemicals and pesticides; hold polluters accountable, including those who disproportionately harm communities of color and low-income communities; reduce GHG emissions; bolster resilience to the impacts of climate change; restore and expand our national treasures and monuments; and prioritize both environmental justice and employment.

2.7.3 California

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

2.7.3.1 Legislative Actions to Reduce GHGs

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark AB 32, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 and Title 20 energy standards, were originally adopted for other purposes such as energy and water conservation but also provided GHG reductions. This section describes the major provisions of the legislation.

AB 1881

The Water Conservation in Landscaping Act of 2006 requires local agencies to adopt the updated DWR model ordinance or equivalent. AB 1881 also requires the CEC to consult with the DWR to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

SB 1368

California SB 1368 adds Sections 8340 and 8341 to the Public Utilities Code (effective January 1, 2007) with the intent "to prevent long-term investments in power plants with GHG emissions in excess of those produced by a combined-cycle natural gas power plant" with the aim of "reducing emissions of GHGs from the state's electricity consumption, not just the state's electricity production." SB 1368 provides a mechanism for reducing the GHG emissions of electricity providers, both in-state and out-of-state, thereby assisting CARB in meeting its mandate under AB 32, the Global Warming Solutions Act of 2006.

AB 32

The California State Legislature enacted AB 32, which required that GHGs emitted in California be reduced to 1990 levels by the year 2020 (this goal has been met[2]). GHGs, as defined under AB 32, include CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6. Since AB 32 was enacted, a seventh chemical, NF_3, has also been added to the list of GHGs. CARB is the state agency charged with monitoring and regulating sources of GHGs. Pursuant to AB 32, CARB adopted regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 states the following:

> *"Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack, a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems."*

SB 375

On September 30, 2008, SB 375 was signed by Governor Schwarzenegger. According to SB 375, the transportation sector is the largest contributor of GHG emissions, which emits over 40% of the total GHG emissions in California. SB 375 states, "Without improved land use and transportation policy, California would not be able to achieve the goals of AB 32." SB 375 does the following: it (1) requires metropolitan planning organizations (MPOs) to include sustainable community strategies in their regional transportation plans for reducing GHG emissions; (2) aligns planning for transportation and housing; and (3) creates specified incentives for the implementation of the strategies.

[2] Based upon the 2024 GHG inventory data (i.e., the latest year for which data are available) for the 2000-2022 GHG emissions period, California emitted an average 371.1 $MMTCO_2e$) (25). This is less than the 2020 emissions target of 431 $MMTCO_2e$. This is less than the 2020 emissions target of 431 $MMTCO_2e$.

SB 375 requires MPOs to prepare a Sustainable Communities Strategy (SCS) within the Regional Transportation Plan (RTP) that guides growth while taking into account the transportation, housing, environmental, and economic needs of the region. SB 375 uses CEQA streamlining as an incentive to encourage residential projects, which help achieve AB 32 goals to reduce GHG emissions. Although SB 375 does not prevent CARB from adopting additional regulations, such actions are not anticipated in the foreseeable future.

Concerning CEQA, SB 375, as codified in Public Resources Code Section 21159.28, states that CEQA findings for certain projects are not required to reference, describe, or discuss (1) growth inducing impacts, or (2) any project-specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network, if the project:

1. Is in an area with an approved sustainable communities strategy or an alternative planning strategy that CARB accepts as achieving the GHG emission reduction targets.
2. Is consistent with that strategy (in designation, density, building intensity, and applicable policies).
3. Incorporates the MMs required by an applicable prior environmental document.

AB 1493 - Pavley Fuel Efficiency Standards

The second phase of the implementation for the Pavley bill was incorporated into Amendments to the Low-Emission Vehicle Program (LEV III) or the Advanced Clean Cars (ACC) program. The ACC program combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of requirements for MY 2017 through 2025. The regulation will reduce GHGs from new cars by 34% from 2016 levels by 2025. The new rules will clean up gasoline and diesel-powered cars, and deliver increasing numbers of zero-emission technologies, such as full battery electric cars, newly emerging plug-in hybrid EV and hydrogen fuel cell cars. The package will also ensure adequate fueling infrastructure is available for the increasing numbers of hydrogen fuel cell vehicles planned for deployment in California. On March 9, EPA reinstated California's authority under the Clean Air Act to implement its own GHG emission standards for cars and light trucks, which other states can also adopt and enforce. With this authority restored, EPA will continue partnering with states to advance the next generation of clean vehicle technologies.

Clean Energy and Pollution Reduction Act of 2015 (SB 350)

In October 2015, the legislature approved, and Governor Jerry Brown signed SB 350, which reaffirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the RPS, higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for EV charging stations. Provisions for a 50% reduction in the use of petroleum statewide were removed from the Bill because of opposition and concern that it would prevent the Bill's passage. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 45% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target would be achieved through the California Public Utilities Commission (CPUC), the California Energy Commission (CEC), and local publicly owned utilities.

- Reorganize the Independent System Operator (ISO) to develop more regional electrify transmission markets and to improve accessibility in these markets, which would facilitate the growth of renewable energy markets in the western United States.

SB 32

On September 8, 2016, Governor Brown signed SB 32 and its companion bill, AB 197. SB 32 requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15. The new legislation builds upon the AB 32 goal and provides an intermediate goal to achieving S-3-05, which sets a statewide GHG reduction target of 80% below 1990 levels by 2050. AB 197 creates a legislative committee to oversee regulators to ensure that CARB not only responds to the Governor, but also the Legislature (10).

2017 CARB Scoping Plan

In November 2017, CARB released the *Final 2017 Scoping Plan Update* (*2017 Scoping Plan*), which identifies the State's post-2020 reduction strategy. The *2017 Scoping Plan* reflects the 2030 target of a 40% reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. Key programs that the proposed Second Update builds upon include the Cap-and-Trade Regulation, the LCFS, and much cleaner cars, trucks, and freight movement, utilizing cleaner, renewable energy, and strategies to reduce CH_4 emissions from agricultural and other wastes.

The *2017 Scoping Plan* establishes a new emissions limit of 260 $MMTCO_2e$ for the year 2030, which corresponds to a 40% decrease in 1990 levels by 2030 (34).

California's climate strategy would require contributions from all sectors of the economy, including the land base, and would include enhanced focus on zero and near-zero emission (ZE/NZE) vehicle technologies; continued investment in renewables, including solar roofs, wind, and other distributed generation; greater use of low carbon fuels; integrated land conservation and development strategies; coordinated efforts to reduce emissions of short-lived climate pollutants (CH_4, black carbon, and fluorinated gases); and an increased focus on integrated land use planning to support livable, transit-connected communities and conservation of agricultural and other lands. Requirements for direct GHG reductions at refineries would further support air quality co-benefits in neighborhoods, including in disadvantaged communities historically located adjacent to these large stationary sources, as well as efforts with California's local air pollution control and air quality management districts (air districts) to tighten emission limits on a broad spectrum of industrial sources. Major elements of the *2017 Scoping Plan* framework include:

- Implementing and/or increasing the standards of the Mobile Source Strategy, which include increasing zero-emission vehicles (ZEV) buses and trucks.
- LCFS, with an increased stringency (18% by 2030).
- Implementing SB 350, which expands the RPS to 50% RPS and doubles energy efficiency savings by 2030.
- California Sustainable Freight Action Plan, which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZEV trucks.
    - Implementing the proposed Short-Lived Climate Pollutant Strategy (SLPS), which focuses on reducing CH4 and HCF emissions by 40% and anthropogenic black carbon emissions by 50% by year 2030.
    - Continued implementation of SB 375.

- Post-2020 Cap-and-Trade Program that includes declining caps.
- 20% reduction in GHG emissions from refineries by 2030.
- Development of a Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

Note, however, that the *2017 Scoping Plan* acknowledges that:

> *"[a]chieving net zero increases in GHG emissions, resulting in no contribution to GHG impacts, may not be feasible or appropriate for every project, however, and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA."*

In addition to the statewide strategies listed above, the *2017 Scoping Plan* also identifies local governments as essential partners in achieving the State's long-term GHG reduction goals and identifies local actions to reduce GHG emissions. As part of the recommended actions, CARB recommends that local governments achieve a community-wide goal to achieve emissions of no more than 6 metric tons of CO_2e ($MTCO_2e$) or less per capita by 2030 and 2 $MTCO_2e$ or less per capita by 2050. For CEQA projects, CARB states that lead agencies may develop evidence-based bright-line numeric thresholds—consistent with the *2017 Scoping Plan* and the State's long-term GHG goals—and projects with emissions over that amount may be required to incorporate on-site design features and MMs that avoid or minimize project emissions to the degree feasible; or a performance-based metric using a CAP or other plan to reduce GHG emissions is appropriate.

According to research conducted by the Lawrence Berkeley National Laboratory (LBNL) and supported by CARB, California, under its existing and proposed GHG reduction policies, could achieve the 2030 goals under SB 32. The research utilized a new, validated model known as the California LBNL GHG Analysis of Policies Spreadsheet (CALGAPS), which simulates GHG and criteria pollutant emissions in California from 2010 to 2050 in accordance to existing and future GHG-reducing policies. The CALGAPS model showed that by 2030, emissions could range from 211 to 428 $MTCO_2e$ per year ($MTCO_2e$/yr), indicating that "even if all modeled policies are not implemented, reductions could be sufficient to reduce emissions 40% below the 1990 level [of SB 32]." CALGAPS analyzed emissions through 2050 even though it did not generally account for policies that might be put in place after 2030. Although the research indicated that the emissions would not meet the State's 80% reduction goal by 2050, various combinations of policies could allow California's cumulative emissions to remain very low through 2050 (35) (36).

Cap-and-Trade Program

The *2017 Scoping Plan* identifies a Cap-and-Trade Program as one of the key strategies for California to reduce GHG emissions. According to CARB, a cap-and-trade program would help put California on the path to meet its goal of achieving a 40% reduction in GHG emissions from 1990 levels by 2030. Under cap-and-trade, an overall limit on GHG emissions from capped sectors is established, and facilities subject to the cap would be able to trade permits to emit GHGs within the overall limit.

CARB adopted a California Cap-and-Trade Program pursuant to its authority under AB 32. The Cap-and-Trade Program is designed to reduce GHG emissions from regulated entities by more than 16% between 2013 and 2020, and by an additional 40% by 2030. The statewide cap for GHG emissions from the capped sectors (e.g., electricity generation, petroleum refining, and cement production)

commenced in 2013 and would decline over time, achieving GHG emission reductions throughout the program's duration.

Covered entities that emit more than 25,000 $MTCO_2e$/yr must comply with the Cap-and-Trade Program. Triggering of the 25,000 $MTCO_2e$/yr "inclusion threshold" is measured against a subset of emissions reported and verified under the California Regulation for the Mandatory Reporting of GHG Emissions (Mandatory Reporting Rule or "MRR").

Under the Cap-and-Trade Program, CARB issues allowances equal to the total amount of allowable emissions over a given compliance period and distributes these to regulated entities. Covered entities are allocated free allowances in whole or part (if eligible), and may buy allowances at auction, purchase allowances from others, or purchase offset credits. Each covered entity with a compliance obligation is required to surrender "compliance instruments" for each $MTCO_2e$ of GHG they emit. There also are requirements to surrender compliance instruments covering 30% of the prior year's compliance obligation by November of each year (37).

The Cap-and-Trade Program provides a firm cap, which provides the highest certainty of achieving the 2030 target. An inherent feature of the Cap-and-Trade program is that it does not guarantee GHG emissions reductions in any discrete location or by any particular source. Rather, GHG emissions reductions are only guaranteed on an accumulative basis. As summarized by CARB in the *First Update to the Climate Change Scoping Plan*:

> *"The Cap-and-Trade Regulation gives companies the flexibility to trade allowances with others or take steps to cost-effectively reduce emissions at their own facilities. Companies that emit more have to turn in more allowances or other compliance instruments. Companies that can cut their GHG emissions have to turn in fewer allowances. But as the cap declines, aggregate emissions must be reduced. In other words, a covered entity theoretically could increase its GHG emissions every year and still comply with the Cap-and-Trade Program if there is a reduction in GHG emissions from other covered entities. Such a focus on aggregate GHG emissions is considered appropriate because climate change is a global phenomenon, and the effects of GHG emissions are considered cumulative."* (38)

The Cap-and-Trade Program covers approximately 80% of California's GHG emissions (34). The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period. The Cap-and-Trade Program covers the GHG emissions associated with the combustion of transportation fuels in California, whether refined in-state or imported.

2022 CARB Scoping Plan

On December 15, 2022, CARB adopted the 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) (39). The 2022 Scoping Plan builds on the 2017 Scoping Plan as well as the requirements set forth by AB 1279, which directs the state to become carbon neutral no later than 2045. To achieve this statutory objective, the 2022 Scoping Plan lays out how California can reduce

GHG emissions by 85% below 1990 levels and achieve carbon neutrality by 2045. The Scoping Plan scenario to do this is to "deploy a broad portfolio of existing and emerging fossil fuel alternatives and clean technologies, and align with statutes, Executive Orders, Board direction, and direction from the governor." The 2022 Scoping Plan sets one of the most aggressive approaches to reach carbon neutrality in the world. Unlike the 2017 Scoping Plan, CARB no longer includes a numeric per capita threshold and instead advocates for compliance with a local GHG reduction strategy (CAP) consistent with *CEQA Guidelines* section 15183.5.

The key elements of the 2022 CARB Scoping Plan focus on transportation - the regulations that will impact this sector are adopted and enforced by CARB on vehicle manufacturers and outside the jurisdiction and control of local governments. As stated in the Plan's executive summary:

> *"The major element of this unprecedented transformation is the aggressive reduction of fossil fuels wherever they are currently used in California, building on and accelerating carbon reduction programs that have been in place for a decade and a half. That means rapidly moving to zero-emission transportation; electrifying the cars, buses, trains, and trucks that now constitute California's single largest source of planet-warming pollution."*
>
> *"[A]pproval of this plan catalyzes a number of efforts, including the development of new regulations as well as amendments to strengthen regulations and programs already in place, not just at CARB but across state agencies."*

Under the 2022 Scoping Plan, the State will lead efforts to meet the 2045 carbon neutrality goal through implementation of the following objectives:

- Reimagine roadway projects that increase VMT in a way that meets community needs and reduces the need to drive.
- Double local transit capacity and service frequencies by 2030.
- Complete the High-Speed Rail (HSR) System and other elements of the intercity rail network by 2040.
- Expand and complete planned networks of high-quality active transportation infrastructure.
- Increase availability and affordability of bikes, e-bikes, scooters, and other alternatives to light-duty vehicles, prioritizing needs of underserved communities.
- Shift revenue generation for transportation projects away from the gas tax into more durable sources by 2030.
- Authorize and implement roadway pricing strategies and reallocate revenues to equitably improve transit, bicycling, and other sustainable transportation choices.
- Prioritize addressing key transit bottlenecks and other infrastructure investments to improve transit operational efficiency over investments that increase VMT.
- Develop and implement a statewide transportation demand management (TDM) framework with VMT mitigation requirements for large employers and large developments.
- Prevent uncontrolled growth of autonomous vehicle (AV) VMT, particularly zero-passenger miles.
- Channel new mobility services towards pooled use models, transit complementarity, and lower VMT outcomes.
- Establish an integrated statewide system for trip planning, booking, payment, and user accounts that enables efficient and equitable multimodal systems.

- Provide financial support for low-income and disadvantaged Californians' use of transit and new mobility services.
- Expand universal design features for new mobility services.
- Accelerate infill development in existing transportation-efficient places and deploy strategic resources to create more transportation-efficient locations.
- Encourage alignment in land use, housing, transportation, and conservation planning in adopted regional plans (RTP/SCS and RHNA) and local plans (e.g., general plans, zoning, and local transportation plans).
- Accelerate production of affordable housing in forms and locations that reduce VMT and affirmatively further fair housing policy objectives.
- Reduce or eliminate parking requirements (and/or enact parking maximums, as appropriate) and promote redevelopment of excess parking, especially in infill locations.
- Preserve and protect existing affordable housing stock and protect existing residents and businesses from displacement and climate risk.

Included in the 2022 Scoping Plan is a set of Local Actions (Appendix D to the 2022 Scoping Plan) aimed at providing local jurisdictions with tools to reduce GHGs and assist the state in meeting the ambitious targets set forth in the 2022 Scoping Plan. Appendix D to the 2022 Scoping Plan includes a section on evaluating plan-level and project-level alignment with the State's Climate Goals in CEQA GHG analyses. In this section, CARB identifies several recommendations and strategies that should be considered for new development to determine consistency with the 2022 Scoping Plan. CARB's primary recommendation for determining consistency with the 2022 Scoping Plan and determining a less than significant impact is for Project's to rely on a CEQA-qualified Climate Action Plan (CAP).

In Appendix D of the 2022 Scoping Plan, CARB states: "When jurisdictions have a CEQA-qualified CAP, an individual project that complies with the strategies and actions within a CEQA-qualified CAP can tier and streamline its project-specific CEQA GHG analysis to make a determination "that a project's incremental contribution to a cumulative [GHG] effect is not cumulatively considerable" (CEQA Guidelines Sections 15064.4 (b)(3) and 15183.5). CARB states that CEQA-qualified CAPs serve to assist the state with its long-term carbon neutrality goals. As such, it follows that a Project that is consistent with a CEQA-qualified CAP would also be consistent with meeting the States 2022 Scoping Plan goals." For analytical purposes, the City of El Monte's adopted CAP is relied upon in this analysis to determine if the Project would have a significant impact with respect to GHG emissions.

2.7.3.2 Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs through the use of Executive Orders. Although not regulatory, they set the tone for the state and guide the actions of state agencies.

Executive Order S-3-05

California Governor Arnold Schwarzenegger announced on June 1, 2005, through Executive Order S-3-05, the following reduction targets for GHG emissions:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80% below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that would stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Executive Order S-01-07 (LCFS)

Governor Schwarzenegger signed Executive Order S-01-07 on January 18, 2007. The order mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10% by 2020. CARB adopted the LCFS on April 23, 2009.

After a series of legal changes, in order to address the Court ruling, CARB was required to bring a new LCFS regulation to the Board for consideration in February 2015. The proposed LCFS regulation was required to contain revisions to the 2010 LCFS as well as new provisions designed to foster investments in the production of the low-carbon intensity fuels, offer additional flexibility to regulated parties, update critical technical information, simplify and streamline program operations, and enhance enforcement. On November 16, 2015, the Office of Administrative Law (OAL) approved the Final Rulemaking Package. The new LCFS regulation became effective on January 1, 2016.

In 2018, CARB approved amendments to the regulation, which included strengthening the carbon intensity benchmarks through 2030 in compliance with the SB 32 GHG emissions reduction target for 2030. The amendments included crediting opportunities to promote zero emission vehicle adoption, alternative jet fuel, carbon capture and sequestration, and advanced technologies to achieve deep decarbonization in the transportation sector (40).

Executive Order S-13-08

Executive Order S-13-08 states that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the Order, the *2009 California Climate Adaptation Strategy* (*CNRA 2009*) was adopted, which is the "…first statewide, multi-sector, region-specific, and information-based climate change adaptation strategy in the United States." Objectives include analyzing risks of climate change in California, identifying, and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order B-30-15

On April 29, 2015, Governor Brown issued an executive order to establish a California GHG reduction target of 40% below 1990 levels by 2030. The Governor's executive order aligned California's GHG reduction targets with those of leading international governments ahead of the U.N. Climate Change Conference in Paris late 2015. The Order sets a new interim statewide GHG emission reduction target to reduce GHG emissions to 40% below 1990 levels by 2030 in order to ensure California meets its target of reducing GHG emissions to 80% below 1990 levels by 2050 and directs CARB to update the *2017 Scoping Plan* to express the 2030 target in terms of $MMTCO_2e$. The Order also requires the state's climate adaptation plan to be updated every three years, and for the State to continue its climate change research program, among other provisions. As with Executive Order S-3-05, this Order is not legally enforceable to local governments and the private sector. Legislation that would update AB 32 to make post 2020 targets and requirements a mandate is in process in the State Legislature.

Executive Order B-55-18 and SB 100

SB 100 and Executive Order B-55-18 were signed by Governor Brown on September 10, 2018. Under the existing RPS, 25% of retail sales of electricity are required to be from renewable sources by December 31, 2016, 33% by December 31, 2020, 40% by December 31, 2024, 45% by December 31, 2027, and 50% by December 31, 2030. SB 100 raises California's RPS requirement to 50% renewable resources target by December 31, 2026, and to achieve a 60% target by December 31, 2030. SB 100 also requires that retail sellers and local publicly owned electric utilities procure a minimum quantity of electricity products from eligible renewable energy resources so that the total kilowatt hours (kWh) of those products sold to their retail end-use customers achieve 44% of retail sales by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030. In addition to targets under AB 32 and SB 32, Executive Order B-55-18 establishes a carbon neutrality goal for the state of California by 2045; and sets a goal to maintain net negative emissions thereafter. The Executive Order directs the California Natural Resources Agency (CNRA), California EPA (CalEPA), the California Department of Food and Agriculture (CDFA), and CARB to include sequestration targets in the Natural and Working Lands Climate Change Implementation Plan consistent with the carbon neutrality goal.

2.7.3.3 California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

Title 20 CCR Sections 1601 et seq. – Appliance Efficiency Regulations

The Appliance Efficiency Regulations regulate the sale of appliances in California. The Appliance Efficiency Regulations include standards for both federally regulated appliances and non-federally regulated appliances. Twenty-three categories of appliances are included in the scope of these regulations. The standards within these regulations apply to appliances that are sold or offered for sale in California, except those sold wholesale in California for final retail sale outside the state and those designed and sold exclusively for use in recreational vehicles (RV) or other mobile equipment (CEC 2012).

Title 24 Energy Efficiency Standards and California Green Building Standards

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

The 2022 California Title 24 Energy Standards became effective on January 1, 2023, with updates for the 2025 standards set to take effect on January 1, 2026. As the Project is expected to be completed in 2029, it will need to comply with the Title 24 Energy Standards in effect at that time, which may include further updates beyond the 2025 version.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2025 California Green Building Code Standards that go into effect on January 1, 2026. The Project would be required to comply with the applicable standards in place at the time plan check submittals are made.

CARB Refrigerant Management Program

CARB adopted a regulation in 2009 to reduce refrigerant GHG emissions from stationary sources through refrigerant leak detection and monitoring, leak repair, system retirement and retrofitting, reporting and recordkeeping, and proper refrigerant cylinder use, sale, and disposal. The regulation is set forth in sections 95380 to 95398 of Title 17, CCR. The rules implementing the regulation establish a limit on statewide GHG emissions from stationary facilities with refrigeration systems with more than 50 pounds of a high GWP refrigerant. The refrigerant management program is designed to (1) reduce emissions of high-GWP GHG refrigerants from leaky stationary, non-residential refrigeration equipment; (2) reduce emissions from the installation and servicing of refrigeration and air-conditioning appliances using high-GWP refrigerants; and (3) verify GHG emission reductions.

SB 97 and the CEQA Guidelines Update

Passed in August 2007, SB 97 added Section 21083.05 to the Public Resources Code. The code states "(a) On or before July 1, 2009, the Office of Planning and Research (OPR) shall prepare, develop, and transmit to the Resources Agency guidelines for the mitigation of GHG emissions or the effects of GHG emissions as required by this division, including, but not limited to, effects associated with transportation or energy consumption. (b) On or before January 1, 2010, the Resources Agency shall certify and adopt guidelines prepared and developed by the OPR pursuant to subdivision (a)."

In 2012, Public Resources Code Section 21083.05 was amended to state:

> *"The Office of Planning and Research and the Natural Resources Agency shall periodically update the guidelines for the mitigation of greenhouse gas emissions or the effects of greenhouse gas emissions as required by this division, including, but not limited to, effects associated with transportation or energy consumption, to incorporate new information or criteria established by the State Air Resources Board pursuant to Division 25.5 (commencing with Section 38500) of the Health and Safety Code."*

On December 28, 2018, the Natural Resources Agency announced the OAL approved the amendments to the *CEQA Guidelines* for implementing CEQA. The CEQA Amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of GHG emissions in CEQA documents. The CEQA Amendments fit within the existing CEQA framework by amending existing *CEQA Guidelines* to reference climate change.

Section 15064.4 was added to the *CEQA Guidelines* and states that in determining the significance of a project's GHG emissions, the lead agency should focus its analysis on the reasonably foreseeable incremental contribution of the project's emissions to the effects of climate change. A project's incremental contribution may be cumulatively considerable even if it appears relatively insignificant compared to statewide, national, or global emissions. The agency's analysis should consider a timeframe that is appropriate for the project. The agency's analysis also must reasonably reflect evolving scientific knowledge and state regulatory schemes. Additionally, a lead agency may use a

model or methodology to estimate GHG emissions resulting from a project. The lead agency has discretion to select the model or methodology it considers most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change. The lead agency must support its selection of a model or methodology with substantial evidence. The lead agency should explain the limitations of the particular model or methodology selected for use (41).

2.7.4 Regional

The Project site is located within the South Coast Air Basin (SCAB), which is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD).

SCAQMD

SCAQMD is the agency responsible for air quality planning and regulation in the SCAB. The SCAQMD addresses the impacts to climate change of projects subject to SCAQMD permit as a lead agency if they are the only agency having discretionary approval for the project and acts as a responsible agency when a land use agency must also approve discretionary permits for the project. The SCAQMD acts as an expert commenting agency for impacts to air quality. This expertise carries over to GHG emissions, so the agency helps local land use agencies through the development of models and emission thresholds that can be used to address GHG emissions.

In 2008, SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the SCAB. The Working Group developed several different options that are contained in the SCAQMD Draft Guidance Document – Interim CEQA GHG Significance Threshold, which could be applied by lead agencies. The working group has not provided additional guidance since release of the interim guidance in 2008. The SCAQMD Board has not approved the thresholds; however, the Guidance Document provides substantial evidence supporting the approaches to significance of GHG emissions that can be considered by the lead agency in adopting its own threshold. The current interim thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether the project is consistent with a GHG reduction plan. If a project is consistent with a qualifying local GHG reduction plan, it does not have significant GHG emissions.
- Tier 3 consists of screening values, which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project's construction emissions are averaged over 30 years and are added to the project's operational emissions. If a project's emissions are below one of the following screening thresholds, then the project is less than significant:
  - Residential and commercial land use: 3,000 $MTCO_2e/yr$
  - Industrial land use: 10,000 $MTCO_2e/yr$
  - Based on land use type: residential: 3,500 $MTCO_2e/yr$; commercial: 1,400 $MTCO_2e/yr$; or mixed use: 3,000 $MTCO_2e/yr$
- Tier 4 has the following options:
  - Option 1: Reduce Business-as-Usual (BAU) emissions by a certain percentage; this percentage is currently undefined.
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures

- Option 3: 2020 target for service populations (SP), which includes residents and employees: 4.8 $MTCO_2e$ per SP per year for projects and 6.6 $MTCO_2e$ per SP per year for plans;
- Option 3, 2035 target: 3.0 $MTCO_2e$ per SP per year for projects and 4.1 $MTCO_2e$ per SP per year for plans

- Tier 5 involves mitigation offsets to achieve target significance threshold.

The SCAQMD's interim thresholds used the Executive Order S-3-05-year 2050 goal as the basis for the Tier 3 screening level. Achieving the Executive Order's objective would contribute to worldwide efforts to cap CO_2 concentrations at 450 ppm, thus stabilizing global climate.

SCAQMD only has authority over GHG emissions from development projects that include air quality permits. At this time, it is unknown if the project would include stationary sources of emissions subject to SCAQMD permits. Notwithstanding, if the Project requires a stationary permit, it would be subject to the applicable SCAQMD regulations.

SCAQMD Regulation XXVII, adopted in 2009 includes the following rules:

- Rule 2700 defines terms and post global warming potentials.
- Rule 2701, SoCal Climate Solutions Exchange, establishes a voluntary program to encourage, quantify, and certify voluntary, high quality certified GHG emission reductions in the SCAQMD.
- Rule 2702, GHG Reduction Program created a program to produce GHG emission reductions within the SCAQMD. The SCAQMD would fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

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3 PROJECT GHG IMPACT

3.1 INTRODUCTION

The Project has been evaluated to determine if it will result in a significant GHG impact. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related GHG impacts are taken from the Initial Study Checklist in Appendix G of the State *CEQA Guidelines* (14 California Code of Regulations §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to GHG if it would (42):

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?

The evaluation of an impact under CEQA requires measuring data from a project against both existing conditions and a "threshold of significance." For establishing significance thresholds, the Office of Planning and Research's amendments to the CEQA Guidelines Section 15064.7(c) state *"[w]hen adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence."*

CEQA Guidelines Section 15064.4(a) further states, *". . . A lead agency shall have discretion to determine, in the context of a particular project, whether to: (1) Use a model or methodology to quantify greenhouse gas emissions resulting from a project, and which model or methodology to use . . .; or (2) Rely on a qualitative analysis or performance-based standards."*

CEQA Guidelines Section 15064.4 provides that a lead agency should consider the following factors, among others, in assessing the significance of impacts from greenhouse gas emissions:

- Consideration #1: The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting.
- Consideration #2: Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- Consideration #3: The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must reduce or mitigate the project's incremental contribution of greenhouse gas emissions. In determining the significance of impacts, the lead agency may consider a project's consistency with the State's long-term climate goals or strategies, provided that substantial evidence supports the agency's analysis of how those goals or strategies address the project's incremental contribution to climate change and its conclusion that the project's incremental contribution is not cumulatively considerable.

3.2.1 Thresholds of Significance

Based on the foregoing guidance, the City of El Monte has elected to rely on compliance with a local air district threshold in the determination of significance of Project-related GHG emissions. Specifically, the City has selected the interim 3,000 $MTCO_2e$/yr threshold recommended by SCAQMD staff for residential and commercial sector projects against which to compare Project-related GHG emissions.

The 3,000 $MTCO_2e$/yr threshold is based on a 90 percent emission "capture" rate methodology. Prior to its use by the SCAQMD, the 90 percent emissions capture approach was one of the options suggested by the California Air Pollution Control Officers Association (CAPCOA) in their CEQA & Climate Change white paper (2008). A 90 percent emission capture rate means that unmitigated GHG emissions from the top 90 percent of all GHG-producing projects within a geographic area – the SCAB in this instance – would be subject to a detailed analysis of potential environmental impacts from GHG emissions, while the bottom 10 percent of all GHG-producing projects would be excluded from detailed analysis. A GHG significance threshold based on a 90 percent emission capture rate is appropriate to address the long-term adverse impacts associated with global climate change because medium and large projects will be required to implement measures to reduce GHG emissions, while small projects, which are generally infill development projects that are not the focus of the State's GHG reduction targets, are allowed to proceed. Further, a 90 percent emission capture rate sets the emission threshold low enough to capture a substantial proportion of future development projects and demonstrate that cumulative emissions reductions are being achieved while setting the emission threshold high enough to exclude small projects that will, in aggregate, contribute approximate 1 percent of projected statewide GHG emissions in the Year 2050 (43).

In setting the threshold at 3,000 $MTCO_2e$/yr, SCAQMD researched a database of projects kept by the Governor's Office of Planning and Research (OPR). That database contained 798 projects, 87 of which were removed because they were very large projects and/or outliers that would skew emissions values too high, leaving 711 as the sample population to use in determining the 90th percentile capture rate. The SCAQMD analysis of the 711 projects within the sample population combined commercial, residential, and mixed-use projects. It should be noted that the sample of projects included warehouses and other light industrial land uses but did not include industrial processes (i.e., oil refineries, heavy manufacturing, electric generating stations, mining operations, etc.). Emissions from each of these projects were calculated by SCAQMD to provide a consistent method of emissions calculations across the sample population and from projects within the sample population. In calculating the emissions, the SCAQMD analysis determined that the 90th percentile ranged between 2,983 to 3,143 $MTCO_2e$/yr. The SCAQMD set their significance threshold at the low-end value of the range when rounded to the nearest hundred tons of emissions (i.e., 3,000 $MTCO_2e$/yr) to define small projects that are considered less than significant and do not need to provide further analysis.

The City understands that the 3,000 $MTCO_2e$/yr threshold for residential/commercial uses was proposed by SCAQMD a decade ago and was adopted as an interim policy; however, no permanent, superseding policy or threshold has since been adopted. The 3,000 $MTCO_2e$/yr threshold was developed and recommended by SCAQMD, an expert agency, based on substantial evidence as provided in the Draft Guidance Document – Interim CEQA Greenhouse Gas Significance Threshold (2008) document and subsequent Working Group meetings (latest of which occurred in 2010). SCAQMD has not withdrawn its support of the interim threshold and all documentation supporting

the interim threshold remains on the SCAQMD website on a page that provides guidance to CEQA practitioners for air quality analysis (and where all SCAQMD significance thresholds for regional and local criteria pollutants and toxic air contaminants also are listed). Further, as stated by SCAQMD, this threshold "uses the Executive Order S-3-05 goal [80 percent below 1990 levels by 2050] as the basis for deriving the screening level" and, thus, remains valid for use in 2022 (43). Lastly, this threshold has been used for hundreds, if not thousands of GHG analyses performed for projects located within the SCAQMD jurisdiction.

Thus, for purposes of analysis in this analysis, if Project-related GHG emissions do not exceed the 3,000 MTCO2e/yr threshold, then Project-related GHG emissions would clearly have a less-than-significant impact pursuant to Threshold GHG-1. On the other hand, if Project-related GHG emissions exceed 3,000 MTCO2e/yr, the Project would be considered a substantial source of GHG emissions.

3.3 Models Employed To Greenhouse Gases

3.3.1 California Emissions Estimator Model (CalEEMod)

The California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released CalEEMod 2022 in May 2022. CalEEMod periodically releases updates, as such the latest version available at the time of this report has been utilized in this analysis. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (44). Accordingly, the latest version of CalEEMod has been used for this Project to determine GHG emissions. Output from the model runs for construction and operational activity for the proposed Project is provided in Appendix 3.1. CalEEMod includes GHG emissions from the following source categories: construction, area, energy, mobile, waste, water, and refrigerants sources.

3.4 Life-Cycle Analysis Not Required

A full life-cycle analysis (LCA) for construction and operational activity is not included in this analysis due to the lack of consensus guidance on LCA methodology at this time (45). Life-cycle analysis (i.e., assessing economy-wide GHG emissions from the processes in manufacturing and transporting all raw materials used in the Project development, infrastructure, and on-going operations) depends on emission factors or econometric factors that are not well established for all processes. At this time, an LCA would be extremely speculative and thus has not been prepared.

Additionally, the SCAQMD recommends analyzing direct and indirect project GHG emissions generated within California and not life-cycle emissions because the life-cycle effects from a project could occur outside of California, might not be very well understood, or documented, and would be challenging to mitigate (46). Additionally, the science to calculate life cycle emissions is not yet established or well defined; therefore, the SCAQMD has not recommended, and is not requiring, life-cycle emissions analysis.

3.5 CONSTRUCTION EMISSIONS

Project construction activities would generate CO_2 and CH_4 emissions. The *Merced Avenue Stormwater Capture Air Quality Impact Analysis* (AQIA) report contains detailed information regarding Project construction activities (47). As discussed in the AQIA, construction-related emissions are expected from the following activities.

- Linear, Grubbing & Land Clearing
- Linear, Grading & Excavation
- Linear, Drainage, Utilities, & Sub-Grade
- Linear, Paving

3.5.1 Construction Duration

For purposes of analysis, construction will begin in May 2027 and would last through December 2028. The construction schedule utilized in the analysis, shown in Table 3-3, represents a "conservative" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.[3] The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per the *CEQA Guidelines* (48).

TABLE 3-1: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Linear, Grubbing & Land Clearing	5/1/2027	7/1/2027	44
Linear, Grading & Excavation	7/1/2027	7/1/2028	262
Linear, Drainage, Utilities, & Sub-Grade	9/1/2027	7/1/2028	218
Linear, Paving	8/1/2028	12/18/2028	100

3.5.2 Construction Equipment

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-2 is assumed to operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the City code.

[3] As shown in the CalEEMod User's Guide Version 2022, Appendix G "Table G-11. Statewide Average Annual Offroad Equipment Emission Factors" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 3-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment[1]	Quantity	Hours
Linear, Grubbing & Land Clearing	Excavators	2	8
	Signal Boards	2	8
Linear, Grading & Excavation	Excavators	2	8
	Rollers	1	8
	Graders	1	8
	Signal Boards	2	8
	Tractors/Loaders/Backhoes	1	8
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	1	8
	Signal Boards	2	8
	Graders	1	8
	Plate Compactors	1	8
	Pumps	1	8
	Air Compressors	1	8
	Generator Sets	1	8
	Excavators	1	8
Linear, Paving	Rollers	1	8
	Paving Equipment	1	8
	Pavers	1	8
	Signal Boards	2	8
	Tractors/Loaders/Backhoes	1	8

[1] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes.

3.4.5 Construction Emissions Summary

For construction phase Project emissions, GHGs are quantified and amortized over the life of the Project. To amortize the emissions over the life of the Project, the SCAQMD recommends calculating the total GHG emissions for the construction activities, dividing it by a 30-year Project life then adding that number to the annual operational phase GHG emissions (49). As such, construction emissions were amortized over a 30-year period and added to the annual operational phase GHG emissions. The amortized construction emissions are presented in Table 3-3.

TABLE 3-3: AMORTIZED ANNUAL CONSTRUCTION EMISSIONS

Year	CO_2T	CH_4	N_2O	R	Total CO_2e
2027	216.82	0.01	0.01	0.08	219.90
2028	295.58	0.01	0.01	0.08	298.82
Total	512.40	0.02	0.02	0.16	518.71
Amortized	17.08	6.58E-04	6.32E-04	5.46E-03	17.29

3.6 Operational Emissions

In terms of operational GHG emissions, the proposed Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. The Proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street.

The proposed Project does not include any substantive new stationary or mobile sources of emissions, and therefore, by its very nature, will not generate quantifiable GHG emissions from Project operations. The Project does not propose a trip-generating land use or facilities that would generate any substantive amount of on-going GHG emissions. While it is anticipated that the Project would require intermittent maintenance, such maintenance would be minimal requiring a negligible amount of traffic trips on an annual basis. Therefore, there is no operational impact is expected.

3.7 GHG Emissions Findings and Recommendations

3.7.1 GHG Impact 1

Potential to generate direct or indirect GHG emissions that would result in a significant impact on the environment.

The City of El Monte has not adopted its own numeric threshold of significance for determining impacts with respect to GHG emissions. A screening threshold of 3,000 MTCO2e/yr to determine if additional analysis is required is an acceptable approach. This approach is a widely accepted screening threshold used by numerous cities and counties in the SCAB and is based on the SCAQMD staff's proposed GHG screening threshold for stationary source emissions for non-industrial projects, as described in the SCAQMD's Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans (SCAQMD Interim GHG Threshold). The SCAQMD Interim GHG Threshold identifies a screening threshold to determine whether additional analysis is required (50).

The Project will result in approximately 17.29 MTCO2e/yr from construction activities. As such, the Project would not exceed the SCAQMD's recommended numeric threshold of 3,000 MTCO2e/yr if it were applied. Thus, the Project would not result in a cumulatively considerable impact with respect to GHG emissions.

3.7.2 GHG Impact 2

Would the Project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs?

As discussed above, the Project involves construction activity and does not propose a trip-generating land use or facilities that would generate any substantive amount of on-going GHG emissions. As presented in Table 3-3, the Project's GHG emissions are below the 3,000 $MTCO_2e$/yr threshold. As concluded in Impact Statement GHG-1 the proposed project would not have the potential to generate a significant amount of GHGs emissions. As such, the proposed Project will not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. Impacts are considered less than significant in this regard.

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5 CERTIFICATION

The contents of this GHG study report represent an accurate depiction of the GHG impacts associated with the proposed Merced Avenue Stormwater Capture Project. The information contained in this GHG report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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Professional Affiliations

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
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Professional Certifications

Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – CARB • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

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APPENDIX 3.1:

CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS

15953-Merced Avenue Stormwater Capture Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	15953-Merced Avenue Stormwater Capture
Construction Start Date	5/1/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	0.50
Precipitation (days)	18
Location	34.067146, -118.05455
County	Los Angeles-South Coast
City	El Monte
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4186
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.35

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Road Construction	0.39	Mile	2.6	0.00	—	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	4,010	4,010	0.17	0.16	3.2	4,063
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	3,983	3,983	0.15	0.15	0.08	4,033
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.96	0.79	6.4	9.7	0.01	0.23	0.41	0.64	0.22	0.09	0.30	—	1,785	1,785	0.07	0.06	0.51	1,805
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	0.15	1.2	1.8	< 0.005	0.04	0.07	0.12	0.04	0.02	0.05	—	296	296	0.01	0.01	0.08	299

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	4,010	4,010	0.17	0.16	3.2	4,063

2028	2.1	1.8	14	21	0.03	0.51	0.99	1.5	0.47	0.21	0.68	—	3,985	3,985	0.15	0.15	2.9	4,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.2	1.8	15	21	0.03	0.56	0.99	1.6	0.52	0.21	0.72	—	3,983	3,983	0.15	0.15	0.08	4,033
2028	2.1	1.8	14	21	0.03	0.51	0.99	1.5	0.47	0.21	0.68	—	3,958	3,958	0.15	0.15	0.07	4,007
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.71	0.58	4.7	6.6	0.01	0.18	0.32	0.50	0.16	0.07	0.23	—	1,310	1,310	0.05	0.06	0.48	1,328
2028	0.96	0.79	6.4	9.7	0.01	0.23	0.41	0.64	0.22	0.09	0.30	—	1,785	1,785	0.07	0.06	0.51	1,805
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.13	0.11	0.86	1.2	< 0.005	0.03	0.06	0.09	0.03	0.01	0.04	—	217	217	0.01	0.01	0.08	220
2028	0.17	0.15	1.2	1.8	< 0.005	0.04	0.07	0.12	0.04	0.02	0.05	—	296	296	0.01	0.01	0.08	299

3. Construction Emissions Details

3.1. Linear, Grubbing & Land Clearing (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.3	2.6	< 0.005	0.07	—	0.07	0.07	—	0.07	—	382	382	0.02	< 0.005	—	383
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46	46	< 0.005	< 0.005	—	46
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.6	7.6	< 0.005	< 0.005	—	7.7
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.60	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	133	133	0.01	< 0.005	0.41	135
Vendor	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	0.00
Hauling	0.02	< 0.005	0.32	0.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	267	267	0.01	0.04	0.57	281

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15	15	< 0.005	< 0.005	0.02	16
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	0.01	0.03	34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.6	2.6	< 0.005	< 0.005	< 0.005	2.6
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.3	5.3	< 0.005	< 0.005	< 0.005	5.6

3.3. Linear, Grading & Excavation (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.6	9.2	0.01	0.27	—	0.27	0.25	—	0.25	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.98	0.82	6.6	9.2	0.01	0.27	—	0.27	0.25	—	0.25	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.35	0.29	2.4	3.3	< 0.005	0.10	—	0.10	0.09	—	0.09	—	498	498	0.02	< 0.005	—	500
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.06	0.05	0.44	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82	82	< 0.005	< 0.005	—	83
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	1.1	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	233	233	0.01	0.01	0.72	236
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.08	32

Hauling	0.04	0.01	0.63	0.25	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	533	533	0.03	0.09	1.1	561
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.89	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.02	223
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	< 0.005	32
Hauling	0.04	0.01	0.66	0.25	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	534	534	0.03	0.09	0.03	560
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.34	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	81	81	< 0.005	< 0.005	0.11	82
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	11
Hauling	0.01	< 0.005	0.24	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	192	192	0.01	0.03	0.18	202
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13	13	< 0.005	< 0.005	0.02	14
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.8	1.8	< 0.005	< 0.005	< 0.005	1.9
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	0.01	0.03	33

3.5. Linear, Grading & Excavation (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.4	9.2	0.01	0.25	—	0.25	0.23	—	0.23	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.4	9.2	0.01	0.25	—	0.25	0.23	—	0.23	—	1,383	1,383	0.06	0.01	—	1,387
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.3	3.3	< 0.005	0.09	—	0.09	0.08	—	0.08	—	495	495	0.02	< 0.005	—	497
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.60	< 0.005	0.02	—	0.02	0.01	—	0.01	—	82	82	< 0.005	< 0.005	—	82
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.99	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	228	228	< 0.005	0.01	0.65	232
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30	30	< 0.005	< 0.005	0.08	31
Hauling	0.04	0.01	0.61	0.24	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	521	521	0.03	0.08	1.1	548
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.84	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30	30	< 0.005	< 0.005	< 0.005	31
Hauling	0.03	0.01	0.64	0.25	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	522	522	0.03	0.08	0.03	547
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.31	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79	79	< 0.005	< 0.005	0.10	80
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.01	11
Hauling	0.01	< 0.005	0.23	0.09	< 0.005	< 0.005	0.05	0.06	< 0.005	0.01	0.02	—	187	187	0.01	0.03	0.16	196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13	13	< 0.005	< 0.005	0.02	13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.8	1.8	< 0.005	< 0.005	< 0.005	1.8
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31	31	< 0.005	< 0.005	0.03	32

3.7. Linear, Drainage, Utilities, & Sub-Grade (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	1.0	0.87	7.0	9.2	0.01	0.28	—	0.28	0.26	—	0.26	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.87	7.0	9.2	0.01	0.28	—	0.28	0.26	—	0.26	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.7	2.2	< 0.005	0.07	—	0.07	0.06	—	0.06	—	334	334	0.01	< 0.005	—	335
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.31	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	55	55	< 0.005	< 0.005	—	55

Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.4	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	299	299	0.01	0.01	0.93	303
Vendor	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	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	133	133	0.01	0.02	0.28	140
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.1	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	283	283	< 0.005	0.01	0.02	287
Vendor	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	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	133	133	0.01	0.02	0.01	140
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	69	69	< 0.005	< 0.005	0.10	70
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	32	32	< 0.005	0.01	0.03	33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11	11	< 0.005	< 0.005	0.02	12
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.3	5.3	< 0.005	< 0.005	< 0.005	5.5

3.9. Linear, Drainage, Utilities, & Sub-Grade (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.84	6.7	9.2	0.01	0.26	—	0.26	0.23	—	0.23	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.0	0.84	6.7	9.2	0.01	0.26	—	0.26	0.23	—	0.23	—	1,399	1,399	0.06	0.01	—	1,403
Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	2.4	3.3	0.01	0.09	—	0.09	0.08	—	0.08	—	501	501	0.02	< 0.005	—	503
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.05	0.44	0.60	< 0.005	0.02	—	0.02	0.02	—	0.02	—	83	83	< 0.005	< 0.005	—	83
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.08	1.3	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	294	294	< 0.005	0.01	0.84	298
Vendor	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	0.00
Hauling	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	130	130	0.01	0.02	0.26	137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.1	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	278	278	< 0.005	0.01	0.02	282
Vendor	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	0.00
Hauling	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	130	130	0.01	0.02	0.01	137
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	101	101	< 0.005	< 0.005	0.13	102
Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	47	47	< 0.005	0.01	0.04	49
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17	17	< 0.005	< 0.005	0.02	17

Vendor	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	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.7	7.7	< 0.005	< 0.005	0.01	8.1

3.11. Linear, Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.53	5.0	7.5	0.01	0.18	—	0.18	0.17	—	0.17	—	1,144	1,144	0.05	0.01	—	1,148
Onsite truck	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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.53	5.0	7.5	0.01	0.18	—	0.18	0.17	—	0.17	—	1,144	1,144	0.05	0.01	—	1,148
Onsite truck	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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.15	1.4	2.0	< 0.005	0.05	—	0.05	0.05	—	0.05	—	314	314	0.01	< 0.005	—	315
Onsite truck	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03	0.03	0.25	0.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52	52	< 0.005	< 0.005	—	52
Onsite truck	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.05	0.85	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	196	196	< 0.005	0.01	0.56	198
Vendor	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	0.00
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	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.72	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.01	188
Vendor	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	0.00
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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	52	52	< 0.005	< 0.005	0.07	52
Vendor	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	0.00
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.5	8.5	< 0.005	< 0.005	0.01	8.7
Vendor	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	0.00
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	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Linear, Grubbing & Land Clearing	Linear, Grubbing & Land Clearing	5/1/2027	7/1/2027	5.0	44	—
Linear, Grading & Excavation	Linear, Grading & Excavation	7/1/2027	7/1/2028	5.0	262	—
Linear, Drainage, Utilities, & Sub-Grade	Linear, Drainage, Utilities, & Sub-Grade	9/1/2027	7/1/2028	5.0	218	—
Linear, Paving	Linear, Paving	8/1/2028	12/18/2028	5.0	100	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Linear, Grubbing & Land Clearing	Excavators	Diesel	Average	2.0	8.0	36	0.38
Linear, Grubbing & Land Clearing	Signal Boards	Diesel	Average	2.0	8.0	6.0	0.82
Linear, Grading & Excavation	Excavators	Diesel	Average	2.0	8.0	36	0.38
Linear, Grading & Excavation	Rollers	Diesel	Average	1.00	8.0	36	0.38
Linear, Grading & Excavation	Graders	Diesel	Average	1.00	8.0	148	0.41

Linear, Grading & Excavation	Signal Boards	Diesel	Average	2.0	8.0	6.0	0.82
Linear, Grading & Excavation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Drainage, Utilities, & Sub-Grade	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37
Linear, Drainage, Utilities, & Sub-Grade	Signal Boards	Electric	Average	2.0	8.0	6.0	0.82
Linear, Drainage, Utilities, & Sub-Grade	Graders	Diesel	Average	1.00	8.0	148	0.41
Linear, Drainage, Utilities, & Sub-Grade	Plate Compactors	Diesel	Average	1.00	8.0	8.0	0.43
Linear, Drainage, Utilities, & Sub-Grade	Pumps	Diesel	Average	1.00	8.0	11	0.74
Linear, Drainage, Utilities, & Sub-Grade	Air Compressors	Diesel	Average	1.00	8.0	37	0.48
Linear, Drainage, Utilities, & Sub-Grade	Generator Sets	Diesel	Average	1.00	8.0	14	0.74
Linear, Drainage, Utilities, & Sub-Grade	Excavators	Diesel	Average	1.00	8.0	36	0.38
Linear, Paving	Rollers	Diesel	Average	1.00	8.0	36	0.38
Linear, Paving	Paving Equipment	Diesel	Average	1.00	8.0	89	0.36
Linear, Paving	Pavers	Diesel	Average	1.00	8.0	81	0.42
Linear, Paving	Signal Boards	Diesel	Average	2.0	8.0	6.0	0.82
Linear, Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.0	84	0.37

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Linear, Grubbing & Land Clearing	Worker	10.0	19	LDA,LDT1,LDT2

Linear, Grubbing & Land Clearing	Vendor	0.00	10	HHDT,MHDT
Linear, Grubbing & Land Clearing	Hauling	4.0	20	HHDT
Linear, Grubbing & Land Clearing	Onsite truck	—	—	HHDT
Linear, Grading & Excavation	Worker	18	19	LDA,LDT1,LDT2
Linear, Grading & Excavation	Vendor	1.00	10	HHDT,MHDT
Linear, Grading & Excavation	Hauling	8.0	20	HHDT
Linear, Grading & Excavation	Onsite truck	—	—	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Worker	23	19	LDA,LDT1,LDT2
Linear, Drainage, Utilities, & Sub-Grade	Vendor	0.00	10	HHDT,MHDT
Linear, Drainage, Utilities, & Sub-Grade	Hauling	2.0	20	HHDT
Linear, Drainage, Utilities, & Sub-Grade	Onsite truck	—	—	HHDT
Linear, Paving	Worker	15	19	LDA,LDT1,LDT2
Linear, Paving	Vendor	0.00	10	HHDT,MHDT
Linear, Paving	Hauling	0.00	20	HHDT
Linear, Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

Linear, Grubbing & Land Clearing	—	—	2.6	0.00	0.00
Linear, Grading & Excavation	3,505	4,000	2.6	0.00	0.00
Linear, Drainage, Utilities, & Sub-Grade	—	—	2.6	0.00	0.00

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	59	532	0.03	< 0.005
2028	59	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	19	annual days of extreme heat
Extreme Precipitation	6.3	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	2	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	74
AQ-PM	75
AQ-DPM	82
Drinking Water	96
Lead Risk Housing	87
Pesticides	40
Toxic Releases	80
Traffic	95
Effect Indicators	—
CleanUp Sites	85
Groundwater	93
Haz Waste Facilities/Generators	63
Impaired Water Bodies	33
Solid Waste	59
Sensitive Population	—
Asthma	70
Cardio-vascular	68
Low Birth Weights	91
Socioeconomic Factor Indicators	—
Education	92
Housing	86
Linguistic	98

Poverty	74
Unemployment	76

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	15.57808289
Employed	38.39343
Median HI	13.39663801
Education	—
Bachelor's or higher	24.94546388
High school enrollment	100
Preschool enrollment	14.26921596
Transportation	—
Auto Access	31.27165405
Active commuting	83.71615552
Social	—
2-parent households	37.23854741
Voting	19.26087514
Neighborhood	—
Alcohol availability	4.516874118
Park access	55.98614141
Retail density	84.93519825
Supermarket access	94.25125112
Tree canopy	40.43372257
Housing	—
Homeownership	13.48646221

Housing habitability	8.674451431
Low-inc homeowner severe housing cost burden	2.527909663
Low-inc renter severe housing cost burden	51.08430643
Uncrowded housing	15.27011421
Health Outcomes	—
Insured adults	1.154882587
Arthritis	71.8
Asthma ER Admissions	41.1
High Blood Pressure	50.4
Cancer (excluding skin)	91.6
Asthma	51.9
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	40.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	61.3
Cognitively Disabled	36.6
Physically Disabled	29.8
Heart Attack ER Admissions	43.7
Mental Health Not Good	23.2
Chronic Kidney Disease	35.4
Obesity	52.4
Pedestrian Injuries	19.6
Physical Health Not Good	18.1
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	94.8
Current Smoker	19.7
No Leisure Time for Physical Activity	8.8

Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	28.6
Elderly	73.9
English Speaking	1.5
Foreign-born	98.7
Outdoor Workers	17.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	21.4
Traffic Density	75.4
Traffic Access	87.4
Other Indices	—
Hardship	84.4
Other Decision Support	—
2016 Voting	6.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	100
Healthy Places Index Score for Project Location (b)	16
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Construction: Construction Phases	Construction schedule based on provided information
Construction: Off-Road Equipment	Construction Equipment based on provided information
Construction: Trips and VMT	Dump Trucks modeled under hauling phase

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APPENDIX F
Merced Avenue Stormwater Capture Noise and Vibration Analysis

MERCED AVENUE STORMWATER CAPTURE

Noise and Vibration Analysis

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Reference Number
15953-02

Agency
City of El Monte

Date
January 23, 2026

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LIST OF ABBREVIATED TERMS

(1)	Reference
ANSI	American National Standards Institute
Calveno	California Vehicle Noise
CEQA	California Environmental Quality Act
CNEL	Community Noise Equivalent Level
dBA	A-weighted decibels
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
INCE	Institute of Noise Control Engineering
L_{eq}	Equivalent continuous (average) sound level
L_{max}	Maximum level measured over the time interval
mph	Miles per hour
PPV	Peak Particle Velocity
Project	Merced Avenue Stormwater Capture
REMEL	Reference Energy Mean Emission Level
RMS	Root-mean-square
VdB	Vibration Decibels

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EXECUTIVE SUMMARY

Urban Crossroads, Inc. has prepared this Noise and Vibration Analysis to determine the noise exposure and identify any necessary noise mitigation measures for the Merced Avenue Stormwater Capture Project (Project) in the City of El Monte. The Project consists of stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared-use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail. This noise study has been prepared to satisfy applicable City of El Monte noise standards and significance criteria based on Appendix G of the California Environmental Quality Act (CEQA) Guidelines. (1)

The results of this Noise and Vibration Analysis are summarized below based on the significance criteria in Section 4 of this report, consistent with Appendix G of the California Environmental Quality Act (CEQA) Guidelines. (1) Table ES-1 shows the findings of significance for each potential noise and/or vibration impact under CEQA before and after any required mitigation measures.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Off-Site Traffic Noise	8	Less Than Significant	-
Operational Noise	10	Less Than Significant	-
Construction Noise	11	Less Than Significant	-
Construction Vibration	11	Less Than Significant	-

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1 INTRODUCTION

This Noise and Vibration Analysis has been completed to determine the noise impacts associated with the development of the proposed Merced Avenue Stormwater Capture Project ("Project"). This Noise and Vibration Analysis briefly describes the Project, provides information regarding noise fundamentals, sets out the local regulatory setting, presents the study methods and procedures for noise analysis, evaluates the future exterior noise environment, potential off-site traffic impacts, the Project-related long-term stationary-source operational noise, and Project-related short-term construction noise and vibration impacts.

1.1 SITE LOCATION

The Project site is located along Garvey Avenue and Merced Avenue within the Rio Hondo Channel in the City of El Monte, as shown in Exhibit 1-1.

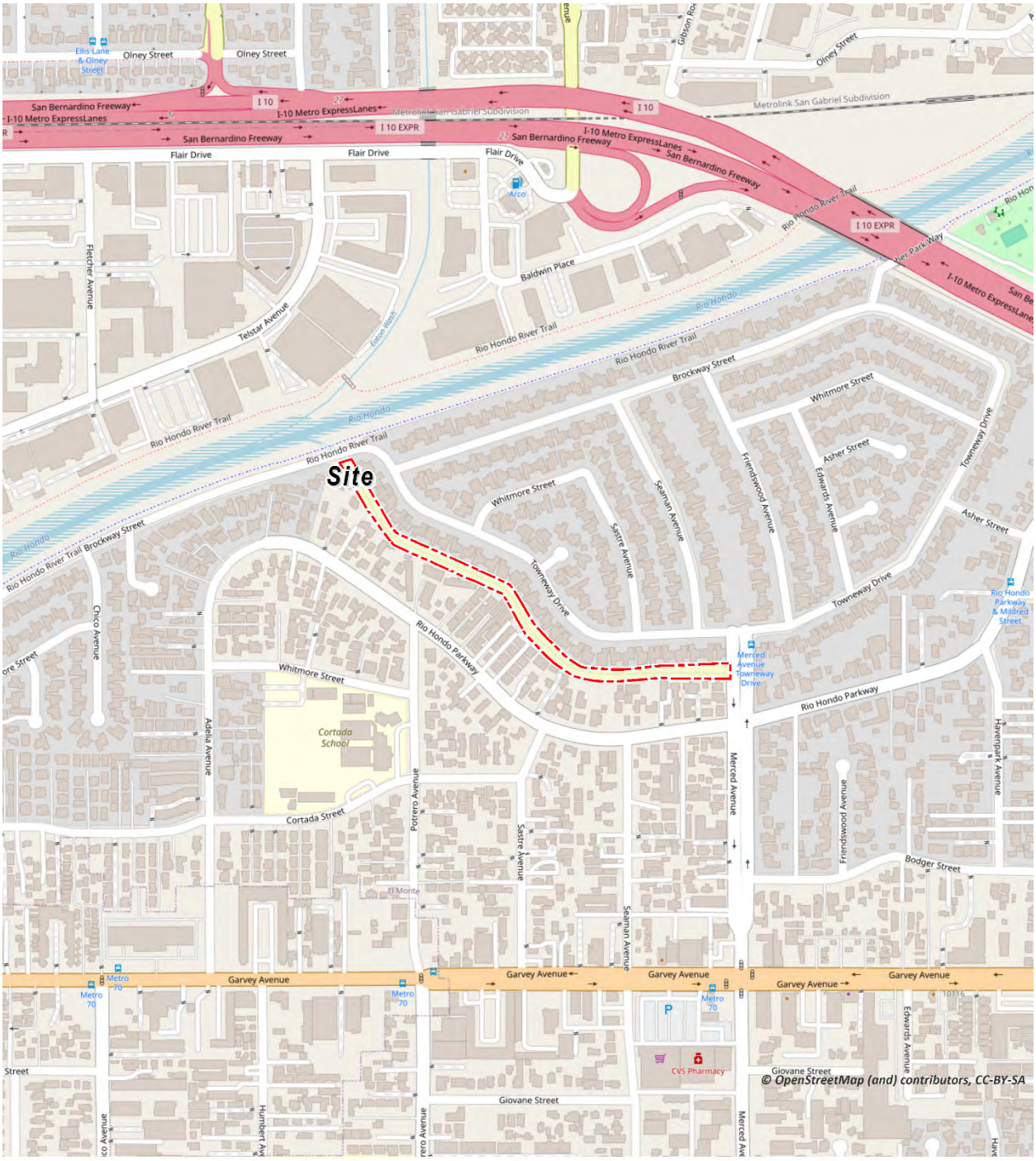
1.2 PROJECT DESCRIPTION

The City of El Monte ("City") proposes to replace the City-owned El Monte Storm Drain between Merced Avenue and Brockway Street utilizing funding from the Los Angeles County's Safe Clean Water Program (SCWP) ("Project"). The Project includes stormwater improvements to the El Monte Storm Drain, water quality enhancements, and the installation of a shared-use path and pedestrian improvements to connect the Merced Linear Park to the Rio Hondo River Trail.

The proposed pedestrian improvements include a raised crosswalk on Merced Avenue, connecting to a shared-use path over the subsurface culvert and continuing to a raised crosswalk on Brockway Street. Pedestrian gates will be installed at Merced Avenue and Brockway Street, and motion detection lighting will be installed along the shared-use path. An 8-foot-tall welded wire-mesh fence is proposed along the southern perimeter of the site.

The area of disturbance for the Project is approximately 2.56 acres and will be limited to the Rio Hondo Channel, Merced Avenue, and Brockway Street, as shown on Exhibit 1-2. Construction is anticipated to commence in May 2027 and be completed by December 2028.

EXHIBIT 1-1: PROJECT LOCATION



LEGEND:

Site Boundary

EXHIBIT 1-2: LAND USE PLAN



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2 FUNDAMENTALS

Noise is simply defined as "unwanted sound." Sound becomes unwanted when it interferes with normal activities, when it causes actual physical harm, or when it has adverse effects on health. Noise is measured on a logarithmic scale of sound pressure level known as a decibel (dB). A-weighted decibels (dBA) approximate the subjective response of the human ear to a broad frequency noise source by discriminating against very low and very high frequencies of the audible spectrum. They are adjusted to reflect only those frequencies that are audible to the human ear. Exhibit 2-1 presents a summary of the typical noise levels and their subjective loudness and effects that are described in more detail below.

EXHIBIT 2-1: TYPICAL NOISE LEVELS

COMMON OUTDOOR ACTIVITIES	COMMON INDOOR ACTIVITIES	A - WEIGHTED SOUND LEVEL dBA	SUBJECTIVE LOUDNESS	EFFECTS OF NOISE
THRESHOLD OF PAIN		140	INTOLERABLE OR DEAFENING	HEARING LOSS
NEAR JET ENGINE		130		
		120		
JET FLY-OVER AT 300m (1000 ft)	ROCK BAND	110		
LOUD AUTO HORN		100	VERY NOISY	
GAS LAWN MOWER AT 1m (3 ft)		90		
DIESEL TRUCK AT 15m (50 ft), at 80 km/hr (50 mph)	FOOD BLENDER AT 1m (3 ft)	80		SPEECH INTERFERENCE
NOISY URBAN AREA, DAYTIME	VACUUM CLEANER AT 3m (10 ft)	70	LOUD	
HEAVY TRAFFIC AT 90m (300 ft)	NORMAL SPEECH AT 1m (3 ft)	60		
QUIET URBAN DAYTIME	LARGE BUSINESS OFFICE	50	MODERATE	SLEEP DISTURBANCE
QUIET URBAN NIGHTTIME	THEATER, LARGE CONFERENCE ROOM (BACKGROUND)	40		
QUIET SUBURBAN NIGHTTIME	LIBRARY	30	FAINT	NO EFFECT
QUIET RURAL NIGHTTIME	BEDROOM AT NIGHT, CONCERT HALL (BACKGROUND)	20		
	BROADCAST/RECORDING STUDIO	10	VERY FAINT	
LOWEST THRESHOLD OF HUMAN HEARING	LOWEST THRESHOLD OF HUMAN HEARING	0		

Source: Environmental Protection Agency Office of Noise Abatement and Control, Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety (EPA/ONAC 550/9-74-004) March 1974.

2.1 RANGE OF NOISE

Since the range of intensities that the human ear can detect is so large, the scale frequently used to measure intensity is a scale based on multiples of 10, the logarithmic scale. The scale for measuring intensity is the decibel scale. Each interval of 10 decibels indicates a sound energy ten times greater than before, which is perceived by the human ear as being roughly twice as loud. (2) The most common sounds vary between 40 dBA (very quiet) to 100 dBA (very loud). Normal conversation at three feet is roughly at 60 dBA, while loud jet engine noises equate to 110 dBA at approximately 1,000 feet, which can cause serious discomfort. (3) Another important aspect of noise is the duration of the sound and the way it is described and distributed in time.

2.2 NOISE DESCRIPTORS

Environmental noise descriptors are generally based on averages, rather than instantaneous, noise levels. The most used metric is the equivalent level (L_{eq}). Equivalent sound levels are not measured directly but are calculated from sound pressure levels typically measured in A-weighted decibels (dBA). The equivalent sound level (L_{eq}) represents a steady state sound level containing the same total energy as a time-varying signal over a given sample period and is commonly used to describe the "average" noise levels within the environment.

Peak hour or average noise levels, while useful, do not completely describe a given noise environment. Noise levels lower than peak hour may be disturbing if they occur during times when quiet is most desirable, namely, evening and nighttime (sleeping) hours. To account for this, the Community Noise Equivalent Level (CNEL), representing a composite 24-hour noise level, is utilized. The CNEL is the weighted average of the intensity of a sound, with corrections for time of day, and averaged over 24 hours. The time-of-day corrections require the addition of 5 decibels to dBA L_{eq} sound levels in the evening from 7:00 p.m. to 10:00 p.m., and the addition of 10 decibels to dBA L_{eq} sound levels at night between 10:00 p.m. and 7:00 a.m. These additions are made to account for the noise-sensitive time periods during the evening and night hours when noise can become more intrusive. CNEL does not represent the actual sound level heard at any time, but rather represents the total sound exposure. The City of El Monte relies on the 24-hour CNEL level to assess land use compatibility with transportation-related noise sources.

2.3 SOUND PROPAGATION

When sound propagates over a distance, it changes in level and frequency content. The way noise reduces with distance depends on the following factors.

2.3.1 Geometric Spreading

Sound from a localized source (i.e., a stationary point source) propagates uniformly outward in a spherical pattern. The sound level attenuates (or decreases) at a rate of 6 dB for each doubling of distance from a point source. Highways consist of several localized noise sources on a defined path and hence can be treated as a line source, which approximates the effect of several point sources. Noise from a line source propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of 3 dB for each doubling of distance from a line source. (2)

2.3.2 Ground Absorption

The propagation path of noise from a highway to a receiver is usually very close to the ground. Noise attenuation from ground absorption and reflective wave canceling adds to the attenuation associated with geometric spreading. Traditionally, the excess attenuation has also been expressed in terms of attenuation per doubling of distance. This approximation is usually sufficiently accurate for distances of less than 200 ft. For acoustically hard sites (i.e., sites with a reflective surface between the source and the receiver, such as a parking lot or body of water), no excess ground attenuation is assumed. For acoustically absorptive or soft sites (i.e., those sites with an absorptive ground surface between the source and the receiver such as soft dirt, grass, or scattered bushes and trees), an excess ground attenuation value of 1.5 dB per doubling of distance is normally assumed.

When added to the cylindrical spreading, the excess ground attenuation results in an overall drop-off rate of 4.5 dB per doubling of distance from a line source. (4)

2.3.3 Atmospheric Effects

Receivers located downwind from a source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels. Sound levels can be increased at large distances (e.g., more than 500 feet) due to atmospheric temperature inversion (i.e., increasing temperature with elevation). Other factors such as air temperature, humidity, and turbulence can also have significant effects. (2)

2.3.4 Shielding

A large object or barrier in the path between a noise source and a receiver can substantially attenuate noise levels at the receiver. The amount of attenuation provided by shielding depends on the size of the object and the frequency content of the noise source. Shielding by trees and other such vegetation typically only has an "out of sight, out of mind" effect. That is, the perception of noise impact tends to decrease when vegetation blocks the line-of-sight to nearby residents. However, for vegetation to provide a substantial, or even noticeable, noise reduction, the vegetation area must be at least 15 feet in height, 100 feet wide and dense enough to completely obstruct the line-of-sight between the source and the receiver. This size of vegetation may provide up to 5 dBA of noise reduction. The Federal Highway Administration (FHWA) does not consider the planting of vegetation to be a noise abatement measure. (5)

2.4 Noise Control

Noise control is the process of obtaining an acceptable noise environment for an observation point or receiver by controlling the noise source, transmission path, receiver, or all three. This concept is known as the source-path-receiver concept. In general, noise control measures can be applied to these three elements.

2.5 Noise Barrier Attenuation

Effective noise barriers can reduce noise levels by 10 to 15 dBA, cutting the loudness of traffic noise in half. A noise barrier is most effective when placed close to the noise source or receiver. Noise barriers, however, do have limitations. For a noise barrier to work, it must block the line-of-sight path of sound from the noise source.

2.6 Land Use Compatibility With Noise

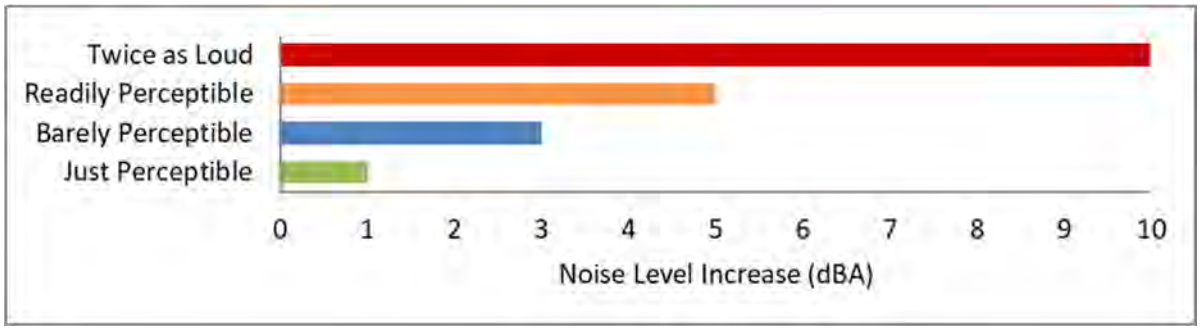
Some land uses are more tolerant of noise than others. For example, schools, hospitals, churches, and residences are more sensitive to noise intrusion than commercial or industrial developments and related activities. As ambient noise levels affect the perceived amenity or livability of a development, so too can the mismanagement of noise impacts impair the economic health and growth potential of a community by reducing the area's desirability as a place to live, shop, and work. For this reason, land use compatibility with the noise environment is an important consideration in the planning and design process. The FHWA encourages State and Local governments to regulate land development in such a way that noise-sensitive land uses are either prohibited from being located adjacent to a highway, or that the developments are planned, designed, and constructed in such a way that noise impacts are minimized. (6)

2.7 Community Response to Noise

Approximately sixteen percent of the population has a very low tolerance for noise and will object to any noise not of their making. Consequently, even in the quietest environment, some complaints may occur. Twenty to thirty percent of the population will not complain even in very severe noise environments. (7 pp. 8-6) Thus, a variety of reactions can be expected from people exposed to any given noise environment.

Surveys have shown that community response to noise varies from no reaction to vigorous action for newly introduced noises, averaging from 10 dB below existing to 25 dB above existing. (8) According to research originally published in the Noise Effects Handbook (7), the percentage of high annoyance ranges from approximately 0 percent at 45 dB or less, 10 percent are highly annoyed around 60 dB, and increases rapidly to approximately 70 percent being highly annoyed at approximately 85 dB or greater. Despite this variability in behavior on an individual level, the population can be expected to exhibit the following responses to changes in noise levels, as shown in Exhibit 2-2. A change of 3 dBA is considered barely perceptible, and changes of 5 dBA are considered readily perceptible. (4)

Exhibit 2-2: Noise Level Increase Perception



2.8 VIBRATION

Per the Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual, vibration is the periodic oscillation of a medium or object. The rumbling sound caused by the vibration of room surfaces is called structure-borne noise. Sources of ground-borne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or human-made causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, such as factory machinery, or transient, such as explosions. As is the case with airborne sound, ground-borne vibrations may be described by amplitude and frequency.

Additionally, in contrast to airborne noise, ground-borne vibration outdoors is not a common environmental problem, and annoyance from ground-borne vibration is almost exclusively an indoor phenomenon (10). Therefore, the effects of vibrations should only be evaluated at a structure, and the effects of the building structure on the vibration should be considered. Wood-frame buildings, such as typical residential structures, are more easily excited by ground vibration than heavier buildings. In contrast, large masonry buildings with spread footings have a low response to ground vibration (10). In general, the heavier a building is, the lower the response will be to the incident vibration energy. However, all structures reduce vibration levels due to the coupling of the building to the soil.

There are several methods used to quantify vibration levels. Peak Particle Velocity (PPV) is defined as the maximum instantaneous peak of a vibration signal and is most commonly used to evaluate the impact of vibration on buildings (11) (10). However, PPV is not always suitable for assessing human response (e.g., annoyance), as the human body does not respond instantly to vibration signals. Instead, it responds to the average amplitude, more accurately represented by the Root Mean Square (RMS) value of the vibration (10).

RMS is defined as the square root of the average of the squared signal amplitude and is commonly used to evaluate human exposure to vibration. RMS and PPV are mathematically related—RMS is typically about 70% of the PPV for certain waveforms (12) (13). However, deriving RMS from PPV requires knowing the full waveform or making assumptions (e.g., sinusoidal or steady-state signals). Without this information, converting PPV to RMS introduces uncertainty and provides limited insight, especially in cases involving transient or impact vibrations (14).

This distinction is important because human annoyance to vibration is often triggered by abrupt, intermittent events, rather than sustained energy levels. Construction-related vibrations are typically impulsive and broadband, in contrast to the continuous, tonal vibrations associated with transit systems. The FTA's RMS-based criteria were developed with train activity in mind and are not well-suited for construction vibration, where perception is driven by factors like suddenness, impact, and repetition (10).

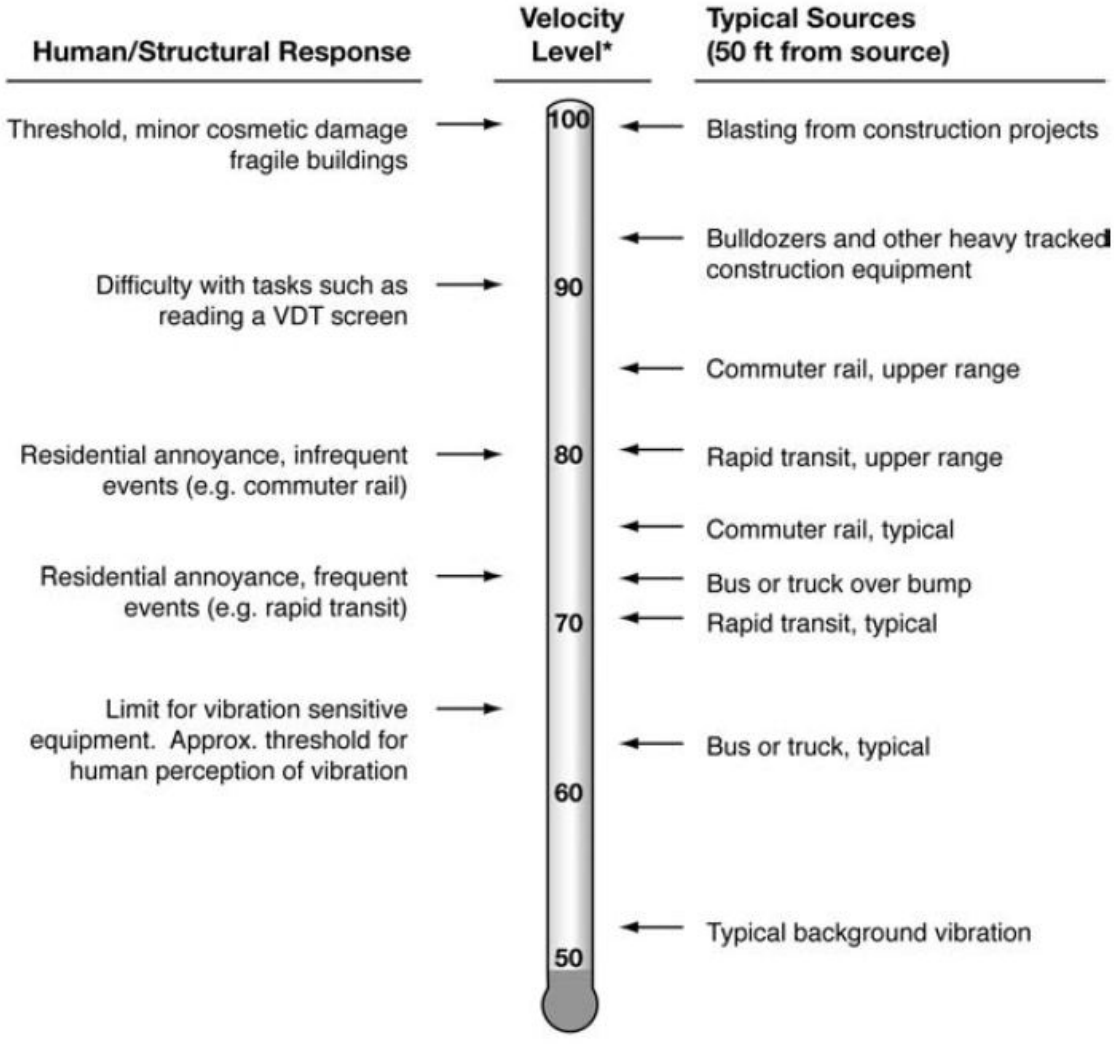
In essence, RMS tends to average out short-duration, high-intensity events—the very events that people find most disturbing. Therefore, for construction activities, PPV-based thresholds, such as those recommended by Caltrans, are more appropriate for assessing potential human annoyance and structural impact (13).

While not universally accepted, vibration decibel notation (VdB) is another RMS-based vibration notation developed and used by the FTA in their guidance manual to describe vibration levels and

provide a background of common vibration levels and set vibration limits (10). Decibel notation (VdB) serves to reduce the range of numbers used to describe vibration levels and is used in this report to describe vibration levels.

As stated in the FTA guidance manual, the background vibration-velocity level in residential areas is generally 50 VdB. Ground-borne vibration is normally perceptible to humans at approximately 65 VdB. For most people, a vibration-velocity level of 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible levels. Typical outdoor sources of perceptible ground-borne vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If a roadway is smooth, the ground-borne vibration is rarely perceptible. The range of interest is from approximately 50 VdB, which is the typical background vibration-velocity level, to 100 VdB, which is the general threshold where minor damage can occur in fragile buildings. Exhibit 2-C illustrates common vibration sources and the human and structural response to ground-borne vibration.

EXHIBIT 2-3: TYPICAL LEVELS OF GROUND-BORNE VIBRATION



** RMS Vibration Velocity Level in VdB relative to 10^{-6} inches/second*

Source: Federal Transit Administration (FTA) Transit Noise and Vibration Impact Assessment Manual.

3 REGULATORY SETTING

To limit population exposure to physically and/or psychologically damaging as well as intrusive noise levels, the federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise. In most areas, automobile and truck traffic is the major source of environmental noise. Traffic activity generally produces an average sound level that remains constant with time. Air and rail traffic, and commercial and industrial activities, are also major sources of noise in some areas. Federal, state, and local agencies regulate different aspects of environmental noise. Federal and state agencies generally set noise standards for mobile sources such as aircraft and motor vehicles, while regulation of stationary sources is left to local agencies.

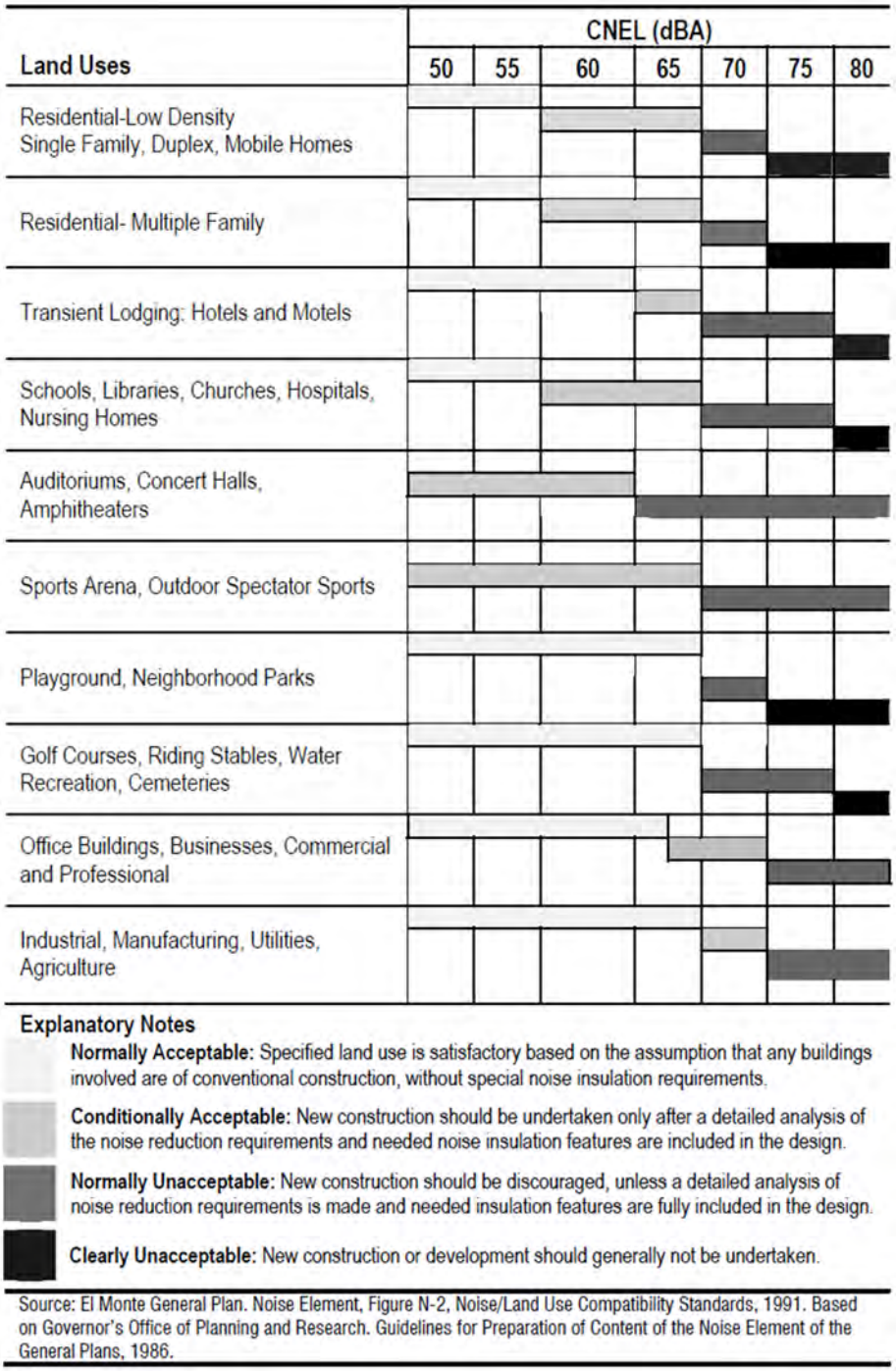
3.1 STATE OF CALIFORNIA NOISE REQUIREMENTS

The State of California regulates freeway noise, sets standards for sound transmission, provides occupational noise control criteria, identifies noise standards, and provides guidance for local land use compatibility. State law requires that each county and city adopt a General Plan that includes a Noise Element, which is to be prepared per guidelines adopted by the Governor's Office of Planning and Research (OPR). (9) The purpose of the Noise Element is to *limit the exposure of the community to excessive noise levels*. In addition, the California Environmental Quality Act (CEQA) requires that all known environmental effects of a project be analyzed, including environmental noise impacts.

3.2 CITY OF EL MONTE GENERAL PLAN

The City of El Monte General Plan Public Health and Safety Element, Noise Levels section, identifies specific goals, policies, and implementation measures to ensure that future land uses are compatible with projected noise environments. (10) To accomplish this goal, the City of El Monte General Plan requires that the Noise/Land Use Compatibility Standards, Table PHS-1, be used to determine land use compatibility for new development. According to the City of El Monte *Noise/Land Use Compatibility Standards*, shown on Exhibit 3-1, industrial uses, such as the Project, are considered *normally acceptable* with exterior noise levels of up to 70 dBA CNEL. For noise-sensitive residential land uses, an exterior noise level of 65 dBA CNEL is considered *conditionally acceptable*.

EXHIBIT 3-1: NOISE/LAND USE COMPATIBILITY STANDARDS



Source: City of El Monte General Plan Public Health and Safety Element, Table PHS-1.

3.4 OPERATIONAL NOISE STANDARDS

To analyze noise impacts originating from a designated fixed location or private property, such as the Merced Avenue Stormwater Capture Project, stationary-source (operational) noise such as ground mounted air conditioning units are typically evaluated against standards established under the Municipal Code. The City of El Monte Municipal Code Chapter 8.36, Section 8.36.040 provides performance standards and noise control guidelines for determining non-transportation, fixed or stationary, nuisance noise source impacts to all land uses within their assigned zoning districts. (11) However, if a residential use is located within a commercial or industrial zone, the ambient level shall not exceed 50 dBA L_{50} between the hours of 10:00 p.m. and 7:00 a.m.

As shown on Table 3-1, the standards shall apply for a cumulative period of 30 minutes in any hour L_{50}, as well as plus 5 dBA cannot be exceeded for a cumulative period of more than 5 but less than 15 minutes in any hour (L_{25}), or the standard plus 10 dBA for a cumulative period more than 1 but less than 5 minutes in any hour (L_8), or the standard plus 15 dBA for a period of less than 1 minute (L_{max}). The City of El Monte Municipal Code noise regulations are provided in Appendix 3.1.

TABLE 3-1: OPERATIONAL NOISE STANDARDS

Jurisdiction	Zoning District	Time Period	Exterior Noise Level Standards[1]				
			L_{eq} (Hourly)	L_{50} (30 mins)	L_{25} (15 mins)	L_8 (5 mins)	L_{max} (<1 min)
El Monte[2]	Single-Family Residential	7:00 a.m. to 10:00 p.m.	-	50	55	60	65
		10:00 p.m. to 7:00 a.m.	-	45	50	55	60
	Multi-Family Residential	7:00 a.m. to 10:00 p.m.	-	55	60	65	70
		10:00 p.m. to 7:00 a.m.	-	50	55	60	65
	Commercial	7:00 a.m. to 10:00 p.m.	-	65	70	75	80
		10:00 p.m. to 7:00 a.m.[3]	-	50	55	60	65
	Industrial	7:00 a.m. to 10:00 p.m.	-	70	75	80	85
		10:00 p.m. to 7:00 a.m.[3]	-	50	55	60	65

[1] L_{eq} represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. The percent noise level is the level exceeded "n" percent of the time during the measurement period. L_{25} is the noise level exceeded 25% of the time.
[2] Source: City of El Monte Municipal Code, Section 8.36.040 (Appendix 3.1).
[3] Per Municipal Code Section 8.36.040 (D) if a residential use is located within a commercial or industrial zone, the ambient noise level shall not exceed 50 dBA L_{50} between the hours of 10:00 p.m. to 7:00 a.m.

3.5 CONSTRUCTION NOISE STANDARDS

To analyze noise impacts originating from the construction of the Merced Avenue Stormwater Capture, noise from construction activities are typically evaluated against standards established under a City's Municipal Code. To control noise impacts associated with the construction, the City of El Monte has established limits to the hours of construction activity. According to Section 8.36.050 (C) (1) of the Municipal Code, *it is unlawful for any person within the city to operate power construction tools or equipment in the performance of any outside construction or repair work on building, structures, or projects in or adjacent to a residential area, except between the hours of 6:00 a.m. and 7:00 p.m. Monday through Friday or between the hours of 8:00 a.m. and 7:00 p.m. on Saturday and Sunday*. (11)

However, neither the City of El Monte General Plan or Municipal Codes identify quantifiable construction noise level limits to evaluate potential impacts during Project construction. As such, the County of Los Angeles construction noise level standards are used in this analysis as the acceptable noise level limits at adjacent sensitive land uses.

Research indicated the U.S. Department of Transportation guidance for construction published by the Federal Transit Administration (FTA) is appropriate and based on well-documented studies of the effects of construction noise. According to the FTA Transit Noise and Vibration Impact Assessment Manual, local noise ordinances are typically not very useful in evaluating construction noise impacts. They usually relate to nuisance and hours of allowed activity, and sometimes specify limits in terms of maximum levels, but are generally not practical for assessing the impact of a construction project. Project construction noise criteria should account for the existing noise environment, the absolute noise levels during construction activities, the duration of the construction, and the adjacent land use. (8 p. 172) Due to the lack of standardized construction noise thresholds, the FTA provides guidelines that can be considered reasonable criteria for construction noise assessments. The FTA identifies two types of construction noise assessment criteria, general and detailed. For general construction noise assessments, the analysis is limited to the two noisiest pieces of equipment with an hourly daytime exterior noise level threshold for residential land use of 90 dBA L_{eq}(1hr). (8 p. 179) However, for long-term construction projects that would expose sensitive receivers to noise for extended periods of time, the FTA considers a daytime 8-hour average exterior construction noise level of 80 dBA L_{eq}(8hr). The absolute FTA thresholds are intended to account for reasonable expectations regarding construction noise during the daytime hours and are intended to protect human health.

Therefore, to evaluate whether the Project will generate potentially significant short-term noise levels at nearby noise sensitive residential receiver locations, a daytime exterior construction noise level of 80 dBA L_{eq} is used as a reasonable threshold to assess construction noise level impacts based on the FTA detailed analysis construction noise criteria with a nighttime exterior construction noise level of 70 dBA L_{eq}. (8 p. 179)

3.6 CONSTRUCTION VIBRATION STANDARDS

Construction activity can result in varying degrees of ground-borne vibration, depending on the equipment and methods used, distance to the affected structures, and soil type. Construction vibration is generally associated with pile driving and rock blasting. Other construction equipment, such as air compressors, light trucks, hydraulic loaders, etc., generates little or no ground vibration. (8) To analyze vibration impacts originating from the operation and construction of the Merced Avenue Stormwater Capture, vibration-generating activities are appropriately evaluated against standards established under the Municipal Code if such standards exist. However, the City of El Monte does not identify specific construction vibration level limits. Therefore, for analysis purposes, the Caltrans *Transportation and Construction Vibration Guidance Manual*, (12 p. 38) Table 19, vibration damage are used in this noise study to assess potential temporary construction-related impacts at adjacent building locations. The nearest noise-sensitive buildings adjacent to the Project site can best be described as "older residential structures" with a maximum acceptable continuous vibration threshold of 0.3 PPV (in/sec).

3.7 LOS ANGELES COUNTY AIRPORT LAND USE PLAN

The El Monte Airport is located roughly 1.4 miles northeast of the Project site. The *Los Angeles County Airport Land Use Plan* (LAC ALUP) identifies the land use compatibility policies related to the El Monte Airport and the proposed Project land uses. Since the Project is a utility, there is no corresponding land use in Section V of the LAC ALUP. (13) Therefore, there is no noise level restriction on utilities, and in terms of land use compatibility, the Project represents *satisfactory* land use.

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4 SIGNIFICANCE CRITERIA

The following significance criteria are based on currently adopted guidance provided by Appendix G of the California Environmental Quality Act (CEQA) Guidelines. (1) For the purposes of this report, impacts would be potentially significant if the Project results in or causes:

A. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

B. Generation of excessive ground-borne vibration or ground-borne noise levels?

C. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

4.1 NOISE LEVEL INCREASES (THRESHOLD A)

Noise level increases resulting from the Project are evaluated based on the Appendix G CEQA Guidelines. Under CEQA, consideration must be given to the magnitude of the increase, the existing baseline ambient noise levels, and the location of receivers to determine if a noise increase represents a significant adverse environmental impact. This approach recognizes that there is no single noise increase that renders the noise impact significant. (14) This is primarily because of the wide variation in individual thresholds of annoyance and differing individual experiences with noise. Thus, an important way of determining a person's subjective reaction to a new noise is the comparison of it to the existing environment to which one has adapted—the so-called ambient environment.

4.1.1 Noise Sensitive Receivers (Substantial Permanent Noise Level Increase)

The Federal Interagency Committee on Noise (FICON) (15) developed guidance to be used for the assessment of project-generated increases in noise levels that consider the ambient noise level. The FICON recommendations are based on studies that relate aircraft noise levels to the percentage of persons highly annoyed by aircraft noise. Although the FICON recommendations were specifically developed to assess aircraft noise impacts, these recommendations are often used in environmental noise impact assessments involving the use of cumulative noise exposure metrics, such as the average-daily noise level (CNEL) and equivalent continuous noise level (L_{eq}). In general, the more a new noise level exceeds the previously existing ambient noise level, the less acceptable the new noise level will typically be judged.

As previously stated, the approach used in this noise study recognizes that there is no single noise increase that renders a noise impact significant, based on a 2008 California Court of Appeal ruling on Gray v. County of Madera. (14) For example, if the ambient noise environment is quiet (<60 dBA) and the new noise source greatly increases the noise levels, an impact may occur if the noise criteria may be exceeded. Therefore, for this analysis, a readily perceptible 5 dBA or greater project-related noise level increase is considered a significant impact when the without project noise levels are below 60 dBA. Per the FICON, in areas where the without project noise levels range from 60 to 65 dBA, a 3 dBA barely perceptible noise level increase appears to be appropriate for most people. When the without project noise levels already exceed 65 dBA, any increase in community noise

louder than 1.5 dBA or greater is considered a significant impact if the noise criteria for a given land use is exceeded, since it likely contributes to an existing noise exposure exceedance.

The FICON guidance provides an established source of criteria to assess the impacts of substantial temporary or permanent increase in baseline ambient noise levels. Based on the FICON criteria, the amount to which a given noise level increase is considered acceptable is reduced when the without Project (baseline) noise levels are already shown to exceed certain land-use specific exterior noise level criteria. The specific levels are based on typical responses to noise level increases of 5 dBA or readily perceptible, 3 dBA or barely perceptible, and 1.5 dBA depending on the underlying without Project noise levels for noise-sensitive uses. These levels of increases and their perceived acceptance are consistent with guidance provided by both the Federal Highway Administration (4 p. 9) and Caltrans (16 p. 2_48).

4.1.1 Construction Noise (Substantial Temporary Noise Level Increase)

To control the noise-generating construction activities, the temporary noise level increases over the existing ambient conditions must be considered under CEQA Significance Threshold A. Although noise ordinances vary across jurisdictions, many cities and counties in California, including Los Angeles, San Diego, and San Francisco, set construction noise limits between 75 and 80 dBA L_{eq} and typically restrict construction activities to the daytime hours. In contrast, everyday noise regulations are more stringent because they apply to continuous, long-term noise sources that can significantly impact the quality of life. As a result, many jurisdictions establish daytime residential noise limits around 55 dBA L_{eq}. This suggests that a reasonable 20 dBA increase over the daytime noise limit can be tolerated without significant adverse effects. This is also illustrated in the adoption of many CEQA documents statewide that use an 80 dBA L_{eq} limit for assessing construction impacts while using everyday noise level limits of local noise ordinances in assessing on-site operational impacts.

Therefore, if the Project-related construction noise levels generate a temporary noise level increase over the existing daytime ambient noise levels more than 20 dBA L_{eq} then the Project construction noise increases will be considered a *significant* impact.

4.2 VIBRATION (THRESHOLD B)

As described in Section 3.4, the vibration impacts originating from the construction of the Project, vibration-generating activities are appropriately evaluated using standards established by the Caltrans *Transportation and Construction Vibration Guidance Manual*, Table 19. The Caltrans' vibration thresholds for building damage are used in this noise study to assess potential operational and temporary construction-related impacts at adjacent building locations. A maximum acceptable continuous vibration threshold of 0.30 PPV (in/sec) (in/sec) is used to describe the nearest residential buildings adjacent to the Project site.

4.3 CEQA GUIDELINES NOT FURTHER ANALYZED (THRESHOLD C)

CEQA Noise Threshold C applies when there are nearby public and private airports and/or airstrips and focuses on land use compatibility of the Project to nearby airports and airstrips. The closest major airport is the San Gabriel Valley Airport (SGVA), located 1.5 miles northeast of the Project site. As shown in section 3, the Project site is beyond the 65 dBA CNEL noise level contour and would not be exposed to excessive noise levels from airport operations. Therefore, impacts are considered less

than significant, and no further noise analysis is conducted in relation to Appendix G to the CEQA Guidelines, Noise Threshold C.

4.4 SIGNIFICANCE CRITERIA SUMMARY

Noise impacts shall be considered significant if any of the following occur as a direct result of the proposed development. Table 4-1 shows the significance criteria summary matrix that includes the allowable criteria used to identify potentially significant incremental noise level increases.

TABLE 4-1: SIGNIFICANCE CRITERIA SUMMARY

Analysis	Receiving Land Use	Condition(s)	Significance Criteria	
			Daytime	Nighttime
Off-Site Traffic	Noise-Sensitive[1]	If ambient is < 60 dBA CNEL	≥ 5 dBA CNEL Project increase	
		If ambient is 60 - 65 dBA CNEL	≥ 3 dBA CNEL Project increase	
		If ambient is > 65 dBA CNEL	≥ 1.5 dBA CNEL Project increase	
Operational	Noise-Sensitive	Residential Exterior Noise Level[4]	50 dBA Leq	45 dBA Leq
		If ambient is < 60 dBA Leq[1]	≥ 5 dBA Leq Project increase	
		If ambient is 60 - 65 dBA Leq[1]	≥ 3 dBA Leq Project increase	
		If ambient is > 65 dBA Leq[1]	≥ 1.5 dBA Leq Project increase	
Construction	Noise-Sensitive	Noise Level Threshold[5]	80 dBA L_{eq}	
		Exterior Noise Level Increase	20 dBA L_{eq}	
		Vibration Level Threshold[6]	0.30 PPV (in/sec)	

[1] FICON, 1992.
[2] Table PHS-1 of the City of El Monte General Plan Public Health and Safety Element
[3] California Code of Regulations, Title 24, Building Standards Administrative Code, Part 2
[4] City of El Monte Municipal Code section 8.36.040.
[5] Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual.
[6] Caltrans Transportation and Construction Vibration Manual, April 2020 Table 19
"Daytime" = 7:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.

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5 EXISTING NOISE LEVEL MEASUREMENTS

To assess the existing noise level environment, 24-hour noise level measurements were taken at five locations in the Project study area. The receiver locations were selected to describe and document the existing noise environment within the Project study area. Exhibit 5-1 provides the boundaries of the Project study area and the noise level measurement locations. To fully describe the existing noise conditions, long-term noise level measurements were collected by Urban Crossroads, Inc. on Thursday, December 18, 2025. Appendix 5.1 includes study area photos.

5.1 MEASUREMENT PROCEDURE AND CRITERIA

To describe the existing noise environment, the hourly noise levels were measured during typical weekday conditions over a 24-hour period. By collecting individual hourly noise level measurements, it is possible to describe the equivalent daytime and nighttime hourly noise levels. The long-term noise readings were recorded using Piccolo Type 2 integrating sound level meter and dataloggers. The Piccolo sound level meters were calibrated using a Larson-Davis calibrator, Model CAL 150. All noise meters were programmed in "slow" mode to record noise levels in "A" weighted form. The sound level meters and microphones were equipped with a windscreen during all measurements. All noise level measurement equipment satisfies the American National Standards Institute (ANSI) standard specifications for sound level meters ANSI S1.4-2014/IEC 61672-1:2013. (17)

5.2 NOISE MEASUREMENT LOCATIONS

The long-term noise level measurements were positioned as close to the nearest sensitive receiver locations as possible to assess the existing equivalent hourly noise levels surrounding the Project site. Both Caltrans and the FTA recognize that it is not reasonable to collect noise level measurements that can fully represent every part of a private yard, patio, deck, or balcony normally used for human activity when estimating impacts for new development projects. This is demonstrated in the Caltrans general site location guidelines, which indicate that sites must be free of noise contamination by sources other than sources of interest. Avoid sites located near sources such as barking dogs, lawnmowers, pool pumps, and air conditioners unless it is the express intent of the analyst to measure these sources. (2) Further, FTA guidance states, that it is not necessary nor recommended that existing noise exposure be determined by measuring at every noise-sensitive location in the project area. Rather, the recommended approach is to characterize the noise environment for clusters of sites based on measurements or estimates at representative locations in the community. (8)

Based on recommendations of Caltrans and the FTA, it is not necessary to collect measurements at each individual building or residence because each receiver measurement represents a group of buildings that share acoustical equivalence. (8) In other words, the area represented by the receiver shares similar shielding, terrain, and geometric relationship to the reference noise source. Receivers represent a location of noise sensitive areas and are used to estimate the future noise level impacts.

EXHIBIT 5-1: NOISE MEASUREMENT LOCATIONS



Collecting noise level measurements at the nearby sensitive receiver locations allows for a comparison of the before-and-after Project noise levels and is necessary to assess potential noise increase due to the Project's contribution to ambient noise levels. This approach is necessary to calculate the temporary or permanent increase in ambient noise levels as required by the CEQA Guidelines Environmental Checklist.

5.3 Noise Measurement Results

The noise measurements presented below focus on the equivalent or the hourly energy average sound levels (Leq) to describe the existing ambient conditions. Table 5-1 provides the (energy average) noise levels used to describe the hourly daytime (7:00 a.m. to 10:00 p.m.) and nighttime (10:00 p.m. to 7:00 a.m.) noise levels at each noise level measurement location. The equivalent sound level (Leq) represents a steady-state sound level containing the same total energy as a time-varying signal over a given sample period. The daytime and nighttime equivalent noise levels represent the average of all hourly noise levels observed during these time periods expressed as a single number.

Table 5-1: Ambient Noise Level Measurements

Location[1]	Description	Energy Average Noise Level (dBA L_{eq})[2]		CNEL
		Daytime	Nighttime	
L1	Located north of the site near the residence at 9740 Towneway Dr.	56.8	54.0	61.2
L2	Located west of the site near the residence at 9749 Rio Hondo Pkwy.	63.0	58.4	66.3
L3	Located north of the site near the residence at 3160 Asher St.	58.1	54.3	61.7
L4	Located south of the site near the residence at 9857 Rio Hondo Pkwy.	60.5	59.0	66.0
L5	Located east of the site near the residence at 9912 Towneway Dr.	62.9	55.4	64.6

[1] See Exhibit 5-A for the noise level measurement locations.
[2] Energy (logarithmic) average levels. The long-term 24-hour measurement worksheets are included in Appendix 5.2.
"Daytime" = 7:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.

Table 5-1 provides the equivalent noise levels used to describe the daytime and nighttime ambient conditions for each of the measurements. Appendix 5.2 provides summary worksheets of the noise levels for each hour as well as the minimum, maximum, L1, L2, L5, L8, L25, L50, L90, L95, and L99 percentile noise levels observed during the daytime and nighttime periods.

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6 OFF-SITE TRANSPORTATION NOISE IMPACTS

The Project is anticipated to generate a maximum of 76 trips per day. This increase in daily traffic volumes is not expected to generate a perceptible noise level increase (i.e., less than 3 dBA CNEL) at sensitive land uses along Whitmore Street. Due to the low traffic volumes generated by the Project, the off-site traffic noise levels generated by the Project are considered less than significant.

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7 RECEIVER LOCATIONS

To assess the potential for long-term operational and short-term construction noise impacts, the following receiver locations, as shown in Exhibit 7-1, were identified as representative locations for analysis. The selection of receiver locations is based on FHWA guidelines and is consistent with additional guidance provided by Caltrans and the FTA, as previously described in Section 5.2. Sensitive receivers are generally defined as locations where people reside or where the presence of unwanted sound could otherwise adversely affect the use of the land. Noise-sensitive land uses are generally considered to include schools, hospitals, single-family dwellings, mobile home parks, churches, libraries, and recreation areas. Moderately noise-sensitive land uses typically include multi-family dwellings, hotels, motels, dormitories, outpatient clinics, cemeteries, golf courses, country clubs, athletic/tennis clubs, and equestrian clubs. Land uses that are considered relatively insensitive to noise include business, commercial, and professional developments. Land uses that are typically not affected by noise include: industrial, manufacturing, utilities, agriculture, undeveloped land, parking lots, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals.

To describe the potential off-site Project noise levels, five receiver locations in the vicinity of the Project site were identified. Other sensitive land uses in the Project study area that are located at greater distances than those identified in this noise study will experience lower noise levels than those presented in this report due to the additional attenuation from distance and the shielding of intervening structures. Distance is measured in a straight line from the Project boundary to each receiver location.

R1: Location R1 represents the existing residence at 9740 Towneway Dr., immediately north of the Project site. Receiver R1 is placed in the private outdoor living area (backyard) facing the Project site. A 24-hour noise measurement was taken near this location, L1, to describe the existing ambient noise environment.

R2: Location R2 represents the existing residence at 9753 Rio Honda Pkwy., immediately south of the Project site Receiver R2 is placed in the private outdoor living area (backyard) facing the Project site. A 24-hour noise measurement was taken near this location, L1, to describe the existing ambient noise environment.

R3: Location R3 represents the existing residence at 9844 Towneway Dr., immediately east of the Project site. Receiver R3 is placed in the private outdoor living area (backyard) facing the Project site. A 24-hour noise measurement was taken near this location, L2, to describe the existing ambient noise environment.

R4: Location R4 represents the existing residence at 9857 Rio Hondo Pkwy., immediately south of the Project site. Receiver R4 is placed at the building façade facing the Project site. A 24-hour noise measurement was taken near this location, L3, to describe the existing ambient noise environment.

R5: Location R5 represents the existing residence at 9912 Towneway Dr., immediately north of the Project site. Receiver R5 is placed in the private outdoor living area (backyard) facing the Project site. A 24-hour noise measurement was taken near this location, L3, to describe the existing ambient noise environment.

EXHIBIT 7-1: RECEIVER LOCATIONS



8 OPERATIONAL NOISE ANALYSIS

The Project would not include any operational noise sources; therefore, the project would not result in noise impacts during operation.

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9 CONSTRUCTION IMPACTS

This section analyzes potential impacts resulting from the short-term construction activities associated with the development of the Project. Exhibit 9-1 shows the on-site construction noise source activity, including the off-site roadway and utility improvements, in relation to the nearest sensitive receiver locations previously described in Section 8. According to Section 8.36.050 (C) (1) of the Municipal Code, *it is unlawful for any person within the city to operate power construction tools or equipment in the performance of any outside construction or repair work on building, structures, or projects in or adjacent to a residential area, except between the hours of 6:00 a.m. and 7:00 p.m. Monday through Friday or between the hours of 8:00 a.m. and 7:00 p.m. on Saturday and Sunday*. (11)

9.1 CONSTRUCTION NOISE LEVELS

The FTA *Transit Noise and Vibration Impact Assessment Manual* recognizes that construction projects are accomplished in several different stages and outlines the procedures for assessing noise impacts during construction. Each stage has a specific equipment mix, depending on the work to be completed during that stage. As a result of the equipment mix, each stage has its own noise characteristics; some stages have higher continuous noise levels than others, and some have higher impact noise levels than others. The Project construction activities are expected to occur in the following stages:

- Linear, Grubbing & Land Clearing
- Linear, Grading & Excavation
- Linear, Drainage, Utilities, & Sub-Grade
- Linear, Paving

9.2 CONSTRUCTION REFERENCE NOISE LEVELS

To describe construction noise activities, this construction noise analysis was prepared using reference construction equipment noise levels from the Federal Highway Administration (FHWA) published the Roadway Construction Noise Model (RCNM), which includes a national database of construction equipment reference noise emission levels. (18) The RCNM equipment database provides a comprehensive list of the noise-generating characteristics of specific types of construction equipment. In addition, the database provides an acoustical usage factor to estimate the fraction of time each piece of construction equipment is operating at full power (i.e., its loudest condition) during a construction operation. According to the EPA, FTA, and FHWA, the overall construction noise level is governed primarily by the noisiest pieces of equipment. The quieter pieces do not affect the overall level, but they do reduce the magnitude of the fluctuations in the noise level. Therefore, a rough estimate of the noise level need only include the noisiest pieces of equipment expected at the site. (19) (8) (20) Consistent with FHWA and FTA guidance for detailed construction noise assessment, Table 9-1 presents the combined noise levels for the loudest construction activities expected for each stage, assuming all equipment operates simultaneously.

EXHIBIT 9-1: CONSTRUCTION NOISE SOURCE LOCATIONS



TABLE 9-1: CONSTRUCTION REFERENCE NOISE LEVELS

Construction Stage	Reference Construction Equipmnet[1]	Reference Noise Level @ 50 Feet (dBA L_{eq})	Composite Reference Noise Level (dBA L_{eq})[2]	Reference Power Level (dBA L_w)[3]
Linear, Grubbing & Land Clearing	Excavator	77	80.4	112.1
	Excavator	77		
	Generator (<25kVA)	70		
Linear, Grading & Excavation	Excavator	77	81.0	112.6
	Excavator	77		
	Backhoe	74		
Linear, Drainage, Utilities, & Sub-Grade	Grader	81	83.0	114.7
	Excavator	77		
	Backhoe	74		
Linear, Paving	Paver	74	78.5	110.1
	Backhoe	74		
	Roller	73		

[1] FHWA Road Construction Noise Model.
[2] Represents the combined noise level for all equipment assuming they operate at the same time consistent with FTA Transit Noise and Vibration Impact Assessment guidance.
[3] Sound power level represents the total amount of acoustical energy (noise level) produced by a sound source independent of distance or surroundings.

9.3 CONSTRUCTION NOISE ANALYSIS

Construction projects involve various stages, and activities frequently shift from one location to another. For example, during site preparation and grading, noise-generating activities may concentrate in an area for a short period to remove an obstruction, while the majority of the grading involves the equipment moving back and forth in a predictable pattern throughout the site; building construction and foundation work generally concentrate near the building footprint, while paving generally involves a predictable pattern of movement throughout the site. Therefore, construction activities are best evaluated as multiple moving point sources within the construction area since the speed and power of the equipment vary, and the equipment constantly changes position in terms of its distance and direction relative to the receivers. (8) (21) Using the reference construction equipment noise levels and the CadnaA noise prediction model, calculations of the Project construction noise level impacts by phase at the nearby sensitive receiver locations were completed. To account for the dynamic nature of construction activities, the CadnaA construction noise analysis evaluates the noise source activities as multiple moving point sources, or construction crews, within the limits of construction. Construction impacts are based on the loudest activity and the highest noise level calculated at each receiver location. As shown in Table 9-2, the highest construction noise levels are expected to range from 71.0 to 73.8 dBA L_{eq} at the nearby receiver locations. Appendix 9.1 includes the detailed CadnaA construction noise model inputs.

TABLE 9-2: CONSTRUCTION EQUIPMENT NOISE LEVEL SUMMARY

Receiver Location[1]	Construction Noise Levels (dBA L_{eq})				
	Linear, Grubbing & Land Clearing	Linear, Grading & Excavation	Linear, Drainage, Utilities, & Sub-Grade	Linear, Paving	Highest Levels[2]
R1	70.0	70.5	72.6	68.0	72.6
R2	68.4	68.9	71.0	66.4	71.0
R3	70.7	71.2	73.3	68.7	73.3
R4	71.2	71.7	73.8	69.2	73.8
R5	69.1	69.6	71.7	67.1	71.7

[1] Construction noise source and receiver locations are shown in Exhibit 11-1.
[2] Construction noise level calculations based on distance from the construction activity, which is measured from the Project site boundary to the nearest receiver locations. CadnaA construction noise model inputs are included in Appendix 11.1.

9.4 PROJECT SITE CONSTRUCTION NOISE LEVEL COMPLIANCE

To evaluate whether the Project will generate potentially significant short-term noise levels at the nearest receiver locations, a construction-related daytime noise level threshold of 80 dBA L_{eq} is used as a reasonable threshold to assess the daytime construction noise level impacts. The construction noise analysis shows that the nearest receiver locations will exceed the reasonable daytime 80 dBA L_{eq} significance threshold during Project construction activities at R1, R2, and R6, as shown in Table 9-3. Therefore, the noise impacts due to Project construction noise are considered less than significant at these receiver locations.

TABLE 9-3: CONSTRUCTION NOISE LEVEL COMPLIANCE

Receiver Location[1]	Construction Noise Levels (dBA L_{eq})		
	Highest Construction Noise Levels[2]	Threshold[3]	Threshold Exceeded?[4]
R1	72.6	80	No
R2	71.0	80	No
R3	73.3	80	No
R4	73.8	80	No
R5	71.7	80	No

[1] Construction noise source and receiver locations are shown in Exhibit 11-1.
[2] Highest construction noise level calculations based on distance from the construction noise source activity to the nearest receiver locations, as shown in Table 11-2.
[3] Construction noise level thresholds as shown in Table 4-1.
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?

9.5 TEMPORARY CONSTRUCTION NOISE LEVEL INCREASES

To describe the temporary Project construction noise level contributions to the existing ambient noise environment, the Project construction noise levels were combined with the existing ambient noise level measurements at the nearest off-site receiver locations. The difference between the combined Project-construction and ambient noise levels is used to describe the construction noise level contributions. Temporary noise level increases that would be experienced at sensitive receiver locations when Project construction-source noise is added to the ambient daytime conditions are presented in Table 9-4. A temporary noise level increase of 20 dBA is considered a *significant* impact based on the substantial noise level increase criteria, which is used to assess the Project-construction noise level increases.

As indicated in Table 9-4, the Project will contribute construction noise increases ranging from 8.6 to 15.9 dBA L_{eq} during the daytime hours at the nearest receiver locations. The unmitigated construction noise analysis shows that the nearest receiver locations will exceed the 20 dBA L_{eq} noise level increase significance threshold during Project construction activities. The temporary construction noise level increase analysis shows that the noise impacts due to Project construction noise are considered less than significant.

TABLE 9-4: DAYTIME CONSTRUCTION NOISE LEVEL INCREASES

Receiver Location[1]	Typical Project Construction Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Increase Criteria	Increase Criteria Exceeded?
R1	72.6	L1	56.8	72.7	15.9	20	No
R2	71.0	L2	63.0	71.6	8.6	20	No
R3	73.3	L3	58.1	73.4	15.3	20	No
R4	73.8	L4	60.5	74.0	13.5	20	No
R5	71.7	L5	62.9	72.2	9.3	20	No

[1] Construction noise source and receiver locations are shown in Exhibit 9-1.
[2] Typical Project daytime construction noise levels as shown in Table 9-3.
[3] Reference noise level measurement locations as shown in Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown in Table 5-1.
[5] Represents the combined ambient conditions plus the Project construction activities.
[6] The noise level increase expected with the addition of the proposed Project construction activities.

9.7 CONSTRUCTION VIBRATION ANALYSIS

Construction activity can result in varying degrees of ground vibration, depending on the equipment and methods employed. The operation of construction equipment causes ground vibrations that spread through the ground and diminish in strength with distance. Ground vibration levels associated with various types of construction equipment are summarized in Table 9-7. Based on the representative vibration levels presented for various construction equipment types, it is possible to estimate the potential for human response (annoyance) and building damage using the following

vibration assessment methods defined by Caltrans. To describe the vibration impacts Caltrans provides the following equation: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.1}$

TABLE 9-7: VIBRATION SOURCE LEVELS FOR CONSTRUCTION EQUIPMENT

Equipment	PPV (in/sec) at 25 feet
Small bulldozer	0.003
Jackhammer	0.035
Loaded Trucks	0.076
Large bulldozer	0.089

Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual

Using the vibration source level of construction equipment provided in Table 9-7 and the construction vibration assessment methodology published by the FTA, it is possible to estimate the Project vibration impacts. The nearest vibration-sensitive receivers are located at distances ranging from 10 to 15 feet from Project construction activities, construction vibration velocity levels are estimated to range from less than 0.16 to 0.24 PPV in/sec. Based on maximum acceptable continuous vibration threshold of 0.30 PPV (in/sec), the typical Project construction vibration levels will not exceed the vibration thresholds at nearby receivers. Therefore, the Project-related vibration impacts are considered *less than significant* during typical construction activities at the Project site.

It should also be noted that vibration levels at the site of the closest sensitive receiver are unlikely to be sustained during the entire construction period, but will occur only during the times that heavy construction equipment is operating adjacent to the Project site perimeter. Moreover, construction at the Project site will be restricted to the daytime hours, consistent with City of El Monte requirements, eliminating potential vibration impacts during the sensitive evening and nighttime hours.

10 REFERENCES

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2. **California Department of Transportation Environmental Program.** *Technical Noise Supplement - A Technical Supplement to the Traffic Noise Analysis Protocol.* Sacramento, CA : s.n., September 2013.
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9. **Office of Planning and Research.** *State of California General Plan Guidelines.* October 2017.
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21. —. *FHWA Highway Construction Noise Handbook.* Final Report August 2006.

11 CERTIFICATION

The contents of this noise study report represent an accurate depiction of the noise environment and impacts associated with the Project. The information contained in this noise study report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (619) 788-1971.

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EDUCATION

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California Polytechnic State University, Pomona • June 2000

PROFESSIONAL AFFILIATIONS

ASA – Acoustical Society of America
AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
INCE – Institute of Noise Control Engineers

PROFESSIONAL CERTIFICATIONS

Approved Acoustical Consultant • County of San Diego
FHWA Traffic Noise Model of Training • November 2004
CadnaA Basic and Advanced Training Certificate • October 2008.

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APPENDIX 3.1:

CITY OF EL MONTE MUNICIPAL CODE

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Chapter 8.36 - NOISE CONTROL

Sections:

8.36.010 - Declaration of policy.

8.36.020 - Definitions.

8.36.010 - Declaration of policy.

It is declared to be the policy of the city to prohibit unnecessary, excessive, and annoying noises from all sources subject to its police power. It is recognized that at certain levels noises are detrimental to the health and welfare of the citizenry and in the public interest shall be controlled or eliminated.

(Prior code § 5910)

8.36.020 - Definitions.

Unless the context otherwise clearly indicates, the words and phrases used in this chapter are defined as follows:

"A-weighted sound pressure level" means the sound pressure level as measured with a sound meter using the A-weighting network. The standard notation is dBA.

"Ambient noise level" means the all-encompassing noise level associated with a given environment, being a composite of sounds from all sources, excluding the alleged offensive noise, at the location and approximate time at which a comparison with the alleged offensive noise is to be made.

"Decibel" means a unit of level for measuring the volume of a sound, equal to the logarithm of the ratio of the sound pressure of a standard sound (.0002 microbars). The standard notation is dB.

"Fixed noise source" means a stationary device which creates sounds while fixed or motionless, including but not limited to industrial and commercial machinery and equipment, pumps, fans, compressors, generators, air conditioners and refrigeration equipment.

"Hertz" means the complete sequence of values of a periodic quantity which occurs during a period.

"Impact noise" means the noise produced by the collision of one mass in motion with a second mass which may be either in motion or at rest.

"Impulsive noise" means and includes any noise which is composed of momentary noises that are repeated at sufficiently slow rates, such that a sound level meter set at "slow" meter characteristics will show changes in sound pressure level greater than ten (10) dBA.

"Mobile noise source" means any noise source other than a fixed noise source.

"Noise disturbance" means any sound or noise which endangers or injures the safety or health of human beings or animals or which annoys or disturbs reasonable persons of normal sensitivities or which is of such a noise level or volume as would annoy or disturb reasonable persons of normal sensitivities or which endangers or injures personal or real property, or which violates the ambient noise standards set forth in Section of this chapter.

"Sound level meter" means a measurement instrument containing a microphone or amplifier, an output meter and "A" frequency weighting networks for the measurement of sound levels, which satisfies the pertinent requirements, in American Specifications for Type 2 Sound Level Meters S1.4-1971, or the most recent revision thereof.

"Steady noise" means noise for which the sound pressure level remains essentially constant during the period of observation. It does not vary more than six (6) dBA when measured with the "slow" meter response of a sound level meter.

(Prior code §§ 5920—5920.11)

8.36.030 - Sound level measurements.

Any sound level measurement made pursuant to the provisions of this chapter shall be measured with a sound level meter using the "A" weighting network and slow response as defined in Section 8.36.020.

(Prior code § 5930)

8.36.040 - Ambient noise standards.

A. The following ambient noise standards, unless otherwise specifically indicated, shall apply to all property within their assigned zoning districts and said standards shall constitute the permissible noise level:

Zone	Day 7:00 a.m. to 10:00 p.m.	Night 10:00 p.m. to 7:00 a.m.
Single-family	50 dBA	45 dBA
Multifamily	55 dBA	50 dBA
Commercial	65 dBA	60 dBA
Industrial	70 dBA	70 dBA

B. It is unlawful for any person to create any noise which would cause the noise level at the property line of any property to exceed the ambient noise level by more than five (5) decibels for a cumulation period of fifteen (15) minutes in any hour.

C. At the boundary line between a residential zone and a commercial and/or manufacturing zone, the noise level of the residential zone shall be used.

D. If a residential use is located within a commercial or industrial zone, the ambient noise level shall not exceed fifty (50) dBA between the hours of ten p.m. and seven a.m.

E. Corrections to Noise Limits. The numerical limits given in subsection A of this section shall be adjusted by the following corrections, where appropriate:

Noise Condition	Correction in dBA
1. Impulsive sounds, pure tone or sounds with a cyclically varying amplitude (The following corrections apply to day only)	-5
2. Noise occurring for a cumulation period of more than 5 but less than 15 minutes in any hour.	+5
3. Noise occurring more than 1 but less than 5 minutes in any hour.	+10
4. Noise occurring less than 1 minute in any hour.	+15

(Prior code §§ 5940—5940.4)

8.36.050 - Special noise sources.

A. Radios, Television Sets, and Similar Devices. Any noise level from the use or operation of any radio receiving set, musical instruments, phonograph, television set, or other machine or device for the producing or reproducing of sound at any hour of the day, which exceeds the noise limit at the property line of any receiving property shall be a violation of the provisions of Section 8.36.040(A).

B. Machinery, Fans and Other Mechanical Devices. Any noise level from the use or operation of any machinery, equipment, pump, fan, air conditioning apparatus, refrigerating equipment, motor vehicle, or other mechanical or electrical device, or in repairing or rebuilding any motor vehicle which exceeds the noise limits at any property line, of any receiving property shall be a violation of the provisions of Section 8.36.040(A).

C. Construction of Building.

1. Except as otherwise permitted under subsections (C)(2) or (G) of this section, it is unlawful for any person within the city to operate power construction tools or equipment in the performance of any outside construction or repair work on buildings, structures, or projects in or adjacent to a residential area, except between the hours of six a.m. and seven p.m. Monday through Friday or between the hours of eight a.m. and seven p.m. on Saturday and Sunday.
2. Upon a written showing of good cause by a project applicant and the applicant's construction contractor or subcontractor, the Chief Building Official may conditionally relax the hourly restrictions of this subsection on a case-by-case basis, provided such authorization is made in writing. The Chief Building Official is authorized to impose such reasonable conditions as may be deemed necessary and/or desirable to mitigate any noise or other adverse impacts generated by the construction undertaking during specially authorized work hours. The conduct of operations in a manner inconsistent with or beyond the scope of any written authorization granted by the Chief Building Official shall be unlawful and shall constitute a violation of this section. The Chief Building Official shall establish reasonable criteria for the grant of special work hours requests which balances the desire of residents for peace and quiet during evening and early morning hours with the efficiencies derived from authorizing special work hours requests. In accordance with the Chief Building Official's established criteria, each individual request shall be evaluated on its individual merits and on the specific circumstances and characteristics of the project or undertaking. No one grant request shall serve as binding president for any subsequent request.
3. By City Council resolution, the city may also impose such reasonable fees as may be necessary to review, process and enforce requests for special operating hours.

D.

Amplified Sound. The use of loudspeakers or sound amplifying equipment in the city which exceeds the noise limits at any property line of a receiving property shall be a violation of Section 8.36.040(A).

E. Loading/Unloading. In residential zones, the opening, closing or other handling of boxes, crates, containers, building materials, or similar objects in such a manner as to cause a noise disturbance is not permitted between the hours of ten p.m. and seven a.m.

F. Interior Noise in a Condominium, Two-Family or Multifamily Residential Unit. Notwithstanding other sections of this chapter, it is unlawful for any persons to create, maintain or cause to be created or maintained any noise within the interior of any condominium, two (2) family or multifamily residential unit which exceeds the noise limits indicated in Section 8.36.040(A).

G. Exemptions.

1. Lawfully conducted parades or assemblies;
2. Emergency work;
3. All operations and activities the control of which is by law exclusively vested in another agency of government;
4. Bells or chimes while being used in conjunction with religious or patriotic services;
5. The provisions of this regulation shall not preclude the construction, operation, maintenance, and repairs of equipment, apparatus, or facilities of park and recreation departments, public work projects, or essential public services and facilities, including those of public utilities subject to the regulatory jurisdiction of the California Public Utilities Commission.

H. Residential Proximity to Freeway. The permissible noise level standards as applied to residential properties within one hundred fifty (150) feet of freeway location shall be sixty-two (62) dBA between the hours of seven a.m. and ten p.m. and fifty-eighty (58) dBA between the hours of ten p.m. and seven a.m.

(Ord. 2728 § 2, 2008; Ord. 2470 § 1 (part), 1997: Ord. 2469 § 1 (part), 1997; prior code §§ 5950—5950.9)

8.36.060 - Noise level measurement.

A. The location selected for measuring exterior noise levels shall be at any point on the affected residential property. Affected residential property shall be the address from which the complaint was received. Interior noise measurements shall be made within the affected residential units.

B. The standards which may be considered in determining whether a violation of the provisions of this section exists, may include, but not be limited to, the following:

1. The level of the noise;
2. Whether the nature of the noise is usual or unusual;
3. The nature of the area within which the noise emanates;
4. The density of the inhabitation of the area within which the noise emanates;

5. The time of day or night:
6. The duration of the noise;
7. Whether the noise is produced by a commercial or noncommercial activity.

(Prior code §§ 5960—5960.2.7)

8.36.070 - Nonconforming uses.

Commercial or manufacturing uses abutting residential zones that exceed noise level standards shall be considered nonconforming uses. If the noise cannot be mitigated, the regulations specified in Chapter 17.16 of this code shall govern nonconforming uses in this chapter.

(Prior code § 5980; Ord. No. 3023, § 4.C(Exh. C), 5-2-2023)

8.36.080 - Noise disturbance prohibited.

No person shall create, conduct, maintain or cause a noise disturbance. No person shall host or conduct a private or public dance, party, gathering or event in a residential neighborhood or in another neighborhood inhabited for residential use where the sound or noise emanating therefrom constitutes a noise disturbance. The source or instrumentalities of a noise disturbance may be sized in conjunction with the abatement of a noise disturbance pursuant to Section 8.36.090 of this chapter.

(Prior code § 5991)

8.36.090 - Abatement of noise disturbance.

Any peace officer of the El Monte Police Department and any person empowered and authorized by Chapter 1.16 of this code to make arrests for violations of provisions of this code is empowered and authorized to summarily abate a noise disturbance pursuant to the authority of Chapter 8.44 of this title. (Amended during 1999 recodification; prior code § 5992)

8.36.100 - Costs for abatement of a noise disturbance assembly.

A. A noise disturbance assembly, as described below, is declared to be a public nuisance. In certain instances, the city may hold responsible persons civilly liable in accordance with this section, for costs incurred by the city in responding to a noise disturbance assembly. When a large party or gathering occurs on a private premises and a police officer determines that such a party or gathering poses a noise disturbance to reasonable persons of normal sensitivities under this chapter (the "noise disturbance assembly"), or that the noise disturbance assembly is for any other reason a threat to the public peace, health, safety or general welfare, the person(s) in apparent charge or control of the premises and/or the person(s) apparently responsible for the noise disturbance assembly (or if any of those persons may be a minor, then the parents or

guardians of that minor) shall be held civilly liable jointly and severally, for the costs of the city associated with providing police personnel and other emergency services to respond to the noise disturbance assembly. Except as provided below, no person shall be held civilly liable for such costs unless a police officer of the El Monte Police Department has first provided a written or verbal warning to abate the noise disturbance assembly to a person apparently in charge or otherwise apparently responsible for such a public nuisance. Proof that such a warning has been given to a person in apparent charge or responsible for such a public nuisance shall be conclusively evidenced by a copy of a written notice of noise disturbance assembly as delivered by a police officer in a form as shall be approved by the City Administrator, and the Chief of Police. The form of such a notice shall provide for the time and date of the initial response of emergency public safety services to the scene of the noise disturbance assembly by the city, and also identified the police officer who delivered the notice. The notice may contain such other information as referenced in this chapter and this section as the City Administrator and the Police Chief may deem appropriate.

B. No such verbal or written notice shall be required to be given by a Police Officer as a prerequisite to the city initiating any civil liability collection proceeding under this section in instances in which the duty watch commander of the El Monte Police Department has first determined that the initial response to a call for emergency public safety services relating to a noise disturbance assembly may pose a significant risk to the safety of the peace officers and other emergency service personnel responding or dispatched to such a call or that other grounds exist for waiving or dispensing with the requirement of such a notice. Such a determination of the duty watch commander that the waiver of notice is appropriate in a particular instance shall be evidenced by a written memorandum of the duty watch commander which contains a description of the facts and circumstances which support such a finding.

C. The cost for abatement of a noise disturbance assembly which may be recovered by the city pursuant to this section shall not exceed the sum of one thousand dollars ($1,000.00) for a single incident. The costs for abatement of a noise disturbance assembly shall include the cost of providing police, fire fighting, rescue and emergency medical services at the scene of the public nuisance as well as the salaries of the public personnel responding to the public nuisance. The cost for abatement as authorized under this section constitutes a debt of the person(s) responsible for the public nuisance and is collectible by the city in the same manner as in the case of an obligation under a contract, expressed or implied. The city shall also separately assess the cost of its attorney's fees and court costs, including witness fees of peace officers and other emergency public safety services personnel, which may be associated with the collection of such abatement costs in any court proceeding.

D.

The civil remedy as provided to the city by this section shall be cumulative to any other civil or criminal proceeding which the city may initiate against any person who may be responsible for a noise disturbance assembly, or otherwise involved with such a public nuisance or abatement. (Amended during 1999 recodification; prior code § 5993)

8.36.110 - Manner of enforcement—Violation and penalty.

A. The City Administrative Officer or his or her duly authorized designee is directed to enforce the provisions of this chapter. No persons shall interfere with, oppose or resist any authorized person charged with enforcement of this chapter while such person is engaged in the performance of his or her duty.

B. Violations—Misdemeanors. Any person violating the provisions of this chapter shall be deemed guilty of a misdemeanor and upon conviction thereof shall be fined in an amount not exceeding five hundred dollars ($500.00) or be imprisoned in the county jail for a period not exceeding six (6) months or by both such fine and imprisonment. Each day such violation is committed or permitted to continue shall constitute a separate offense and shall be punishable as such.

C. Violations—Additional Remedies—Injunctions. As an additional remedy, the operation or maintenance of any device, instrument, vehicle, or machinery in violation of any provision of this chapter, which operation or maintenance causes or creates noise levels exceeding the noise levels or vibrations as specified in this chapter shall be deemed, and is declared to be a public nuisance and may be subject to abatement, pursuant to Chapter 8.44 of this title.

D. Violation of this chapter shall be prosecuted in the same manner as other misdemeanor violations of this code. No complaint shall be issued in the event the cause of violation is abated. In the event the alleged violator cannot be located in order to serve the notice of intention to prosecute, the notice as required herein shall be deemed to be given upon mailing such notice by registered or certified mail to the alleged violator at his or her last known address or at the place where the violation occurred.

(Prior code §§ 5970—5970.4)

APPENDIX 5.1:

STUDY AREA PHOTOS

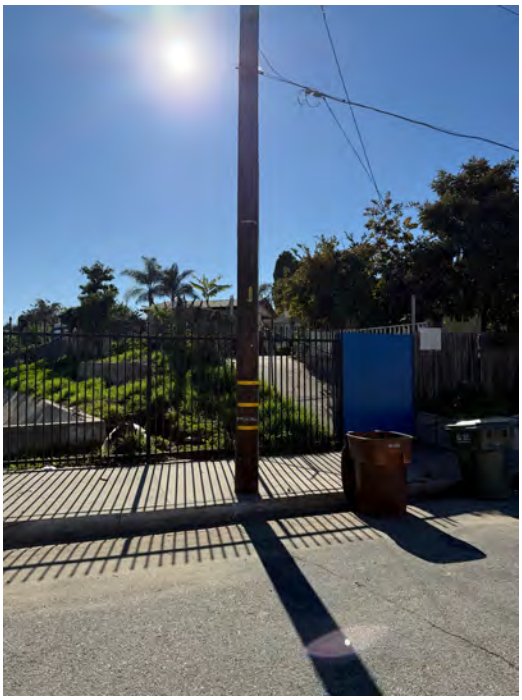
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15953 - Merced Avenue Stormwater Capture

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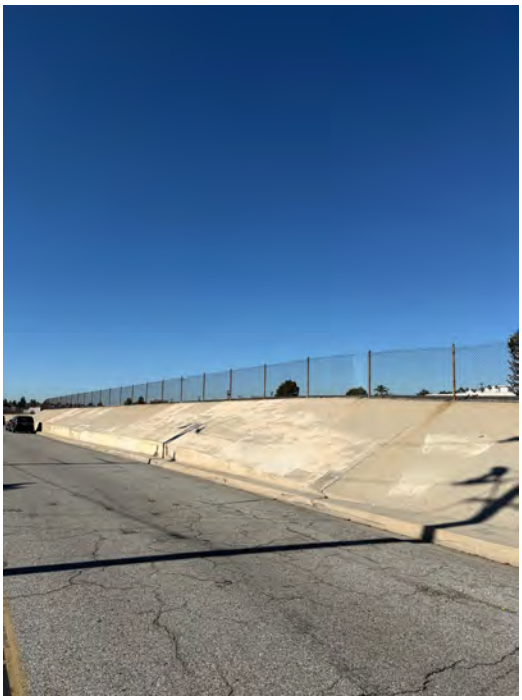
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34, 4' 7.270000"118, 3' 24.570000"



15953_L1_B 3.East
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15953_L1_B 4.West
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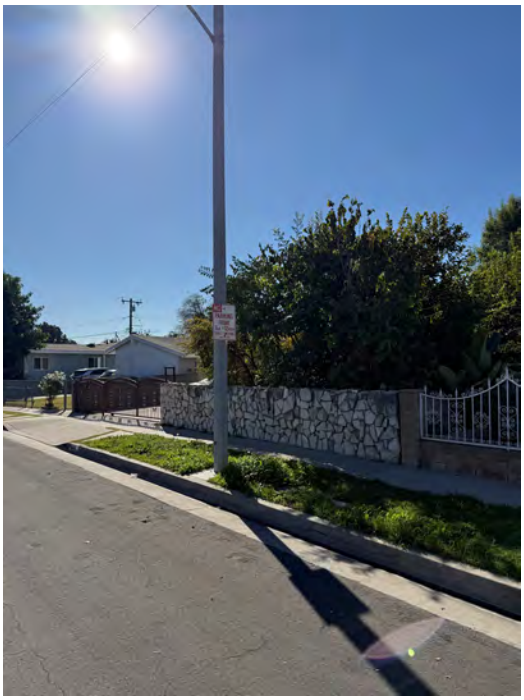


15953 - Merced Avenue Stormwater Capture

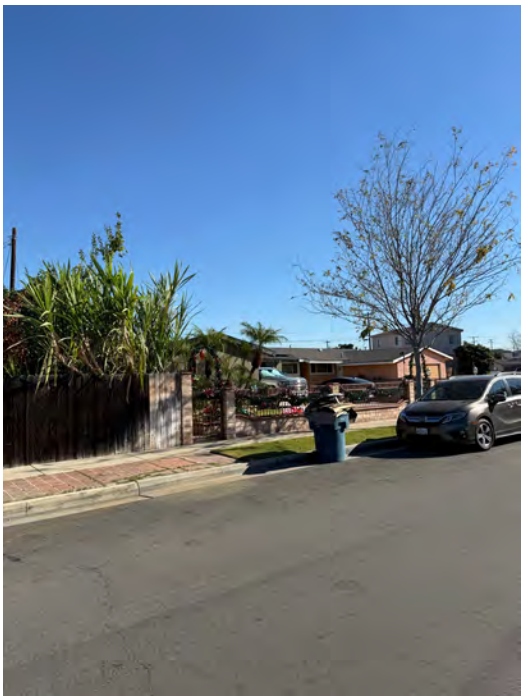
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15953_L2_C 3.East
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15953_L2_C 4.West
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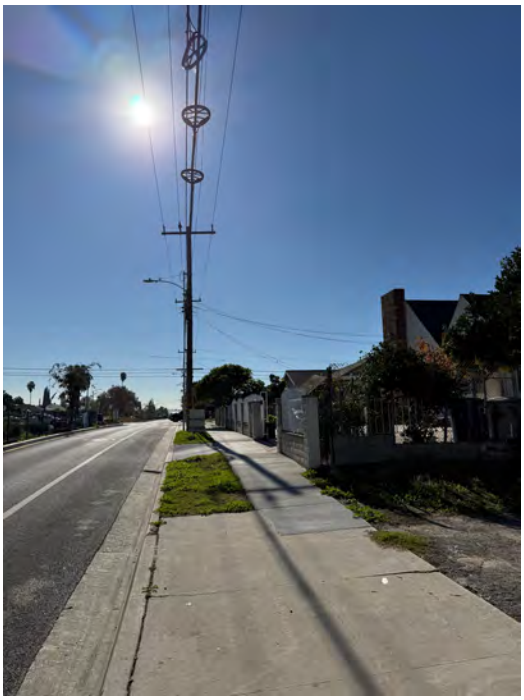


15953 - Merced Avenue Stormwater Capture

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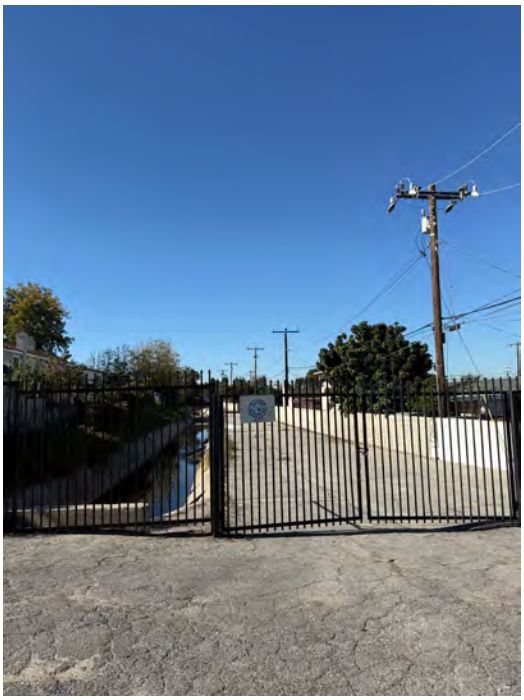
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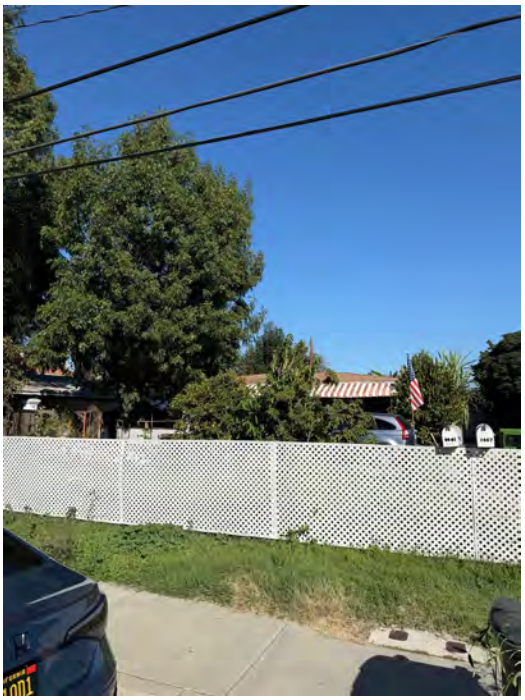


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15953 - Merced Avenue Stormwater Capture

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15953_L4_E 2.South
34, 3' 56.590000"118, 3' 15.360000"



15953_L4_E 3.East
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15953_L4_E 4.West
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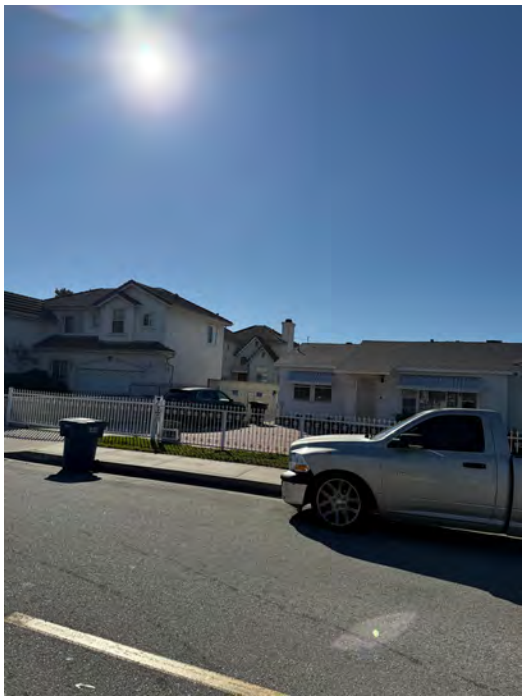


15953 - Merced Avenue Stormwater Capture

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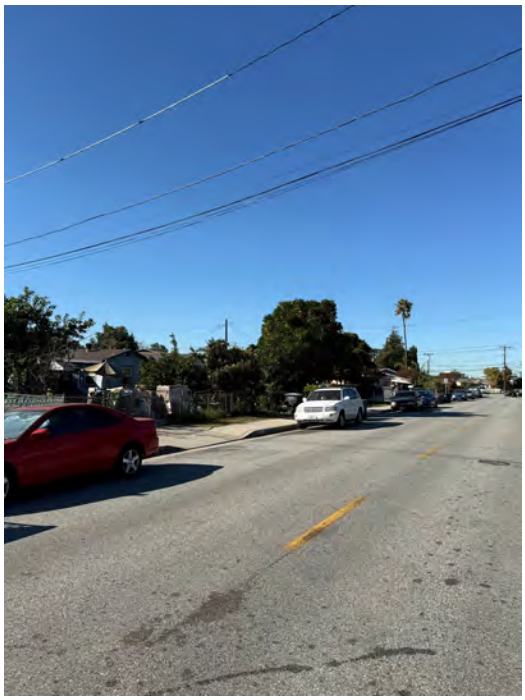
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15953_L5_F 3.East
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15953_L5_F 4.West
34, 4' 1.480000"118, 3' 22.480000"



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APPENDIX 5.2:

NOISE LEVEL MEASUREMENT WORKSHEETS

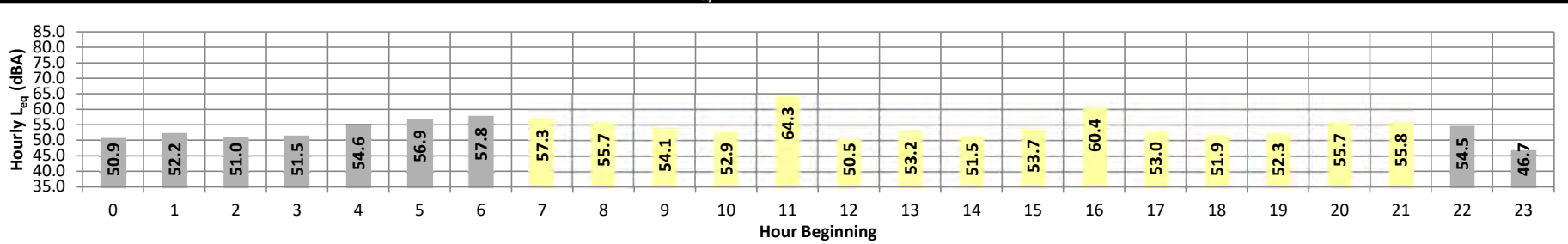
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24-Hour Noise Level Measurement Summary

Date: Thursday, December 18, 2025 *Location:* L1 - Located north of the site near the residence at 9740 *Meter:* Piccolo II *JN:* 15953

Project: Merced Ave. Stormwater Capture Project *Source:* Towneway Dr. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	50.9	53.9	48.1	53.7	53.5	53.0	52.7	51.7	50.6	49.0	48.7	48.3	50.9	10.0	60.9
	1	52.2	57.5	47.9	57.2	57.0	56.4	55.7	52.8	51.2	48.9	48.6	48.1	52.2	10.0	62.2
	2	51.0	55.6	47.4	55.2	54.9	54.2	53.8	52.0	50.0	48.2	47.9	47.5	51.0	10.0	61.0
	3	51.5	54.9	48.4	54.6	54.4	53.8	53.5	52.3	51.2	49.2	48.9	48.5	51.5	10.0	61.5
	4	54.6	57.5	51.9	57.2	57.0	56.6	56.3	55.3	54.4	52.8	52.5	52.0	54.6	10.0	64.6
	5	56.9	59.4	55.0	59.1	58.9	58.5	58.3	57.4	56.7	55.6	55.4	55.1	56.9	10.0	66.9
	6	57.8	59.6	56.1	59.4	59.3	59.0	58.8	58.2	57.7	56.6	56.4	56.2	57.8	10.0	67.8
Day	7	57.3	59.9	55.3	59.7	59.5	59.1	58.8	57.8	56.9	55.8	55.6	55.4	57.3	0.0	57.3
	8	55.7	61.4	53.5	60.7	60.0	58.5	57.8	56.0	55.0	53.9	53.7	53.6	55.7	0.0	55.7
	9	54.1	58.3	51.9	58.0	57.6	56.8	56.3	54.5	53.4	52.3	52.1	51.9	54.1	0.0	54.1
	10	52.9	62.3	45.0	62.1	61.7	59.4	57.3	52.0	49.4	46.1	45.7	45.1	52.9	0.0	52.9
	11	64.3	76.7	42.9	76.0	75.6	74.5	70.2	54.9	49.8	43.9	43.4	43.0	64.3	0.0	64.3
	12	50.5	57.4	45.5	57.1	56.8	55.7	54.6	50.7	48.3	46.1	45.8	45.6	50.5	0.0	50.5
	13	53.2	62.2	47.0	61.2	60.1	58.1	57.1	53.5	51.2	47.9	47.6	47.2	53.2	0.0	53.2
	14	51.5	59.8	47.0	59.1	58.4	57.0	55.8	51.2	49.5	47.7	47.4	47.1	51.5	0.0	51.5
	15	53.7	63.5	46.9	62.9	62.6	60.3	58.7	52.4	49.6	47.6	47.3	47.0	53.7	0.0	53.7
	16	60.4	71.2	49.6	70.4	70.0	68.2	65.6	59.2	54.7	50.3	50.0	49.7	60.4	0.0	60.4
	17	53.0	59.2	49.7	58.8	58.3	57.1	56.1	53.4	51.8	50.3	50.1	49.8	53.0	0.0	53.0
	18	51.9	59.5	48.9	58.8	58.2	56.4	54.4	52.0	50.6	49.4	49.2	49.0	51.9	0.0	51.9
	19	52.3	57.8	47.8	57.6	57.2	56.3	55.8	53.6	50.5	48.3	48.0	47.8	52.3	5.0	57.3
	20	55.7	59.7	53.3	59.4	59.1	58.2	57.8	56.2	55.2	53.8	53.6	53.4	55.7	5.0	60.7
	21	55.8	58.7	53.9	58.4	58.2	57.6	57.2	56.2	55.5	54.5	54.3	54.0	55.8	5.0	60.8
Night	22	54.5	58.5	52.5	57.9	57.3	56.4	55.9	54.9	54.2	53.1	52.8	52.6	54.5	10.0	64.5
	23	46.7	49.1	45.3	48.9	48.7	48.2	47.8	47.0	46.4	45.7	45.6	45.4	46.7	10.0	56.7

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	50.5	57.4	42.9	57.1	56.8	55.7	54.4	50.7	48.3	43.9	43.4	43.0
	Max	64.3	76.7	55.3	76.0	75.6	74.5	70.2	59.2	56.9	55.8	55.6	55.4
Energy Average		56.8	Average:		61.3	60.9	59.5	58.2	54.2	52.1	49.9	49.6	49.3
Night	Min	46.7	49.1	45.3	48.9	48.7	48.2	47.8	47.0	46.4	45.7	45.6	45.4
	Max	57.8	59.6	56.1	59.4	59.3	59.0	58.8	58.2	57.7	56.6	56.4	56.2
Energy Average		54.0	Average:		55.9	55.7	55.1	54.8	53.5	52.5	51.0	50.7	50.4

24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
61.2	56.8	54.0

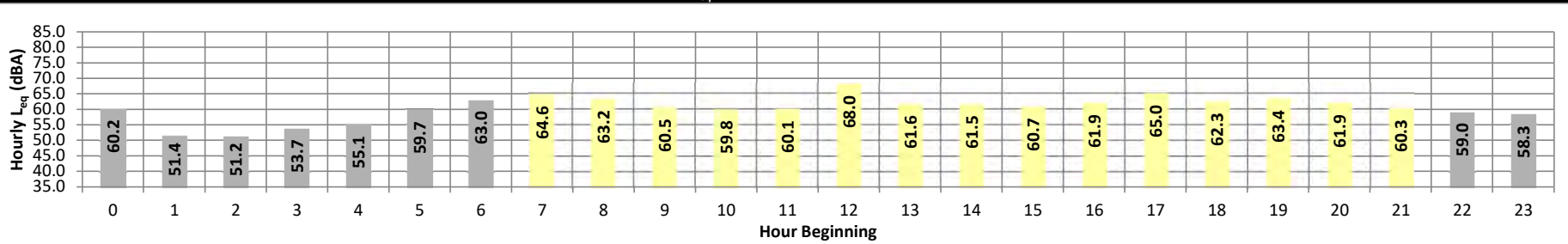
URBAN CROSSROADS

24-Hour Noise Level Measurement Summary

Date: Thursday, December 18, 2025 *Location:* L2 - Located west of the site near the residence at 9749 Rio *Meter:* Piccolo II *JN:* 15953

Project: Merced Ave. Stormwater Capture Project *Source:* Hondo Pkwy. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	*Hour*	*L_{eq}*	*L_{max}*	*L_{min}*	*L1%*	*L2%*	*L5%*	*L8%*	*L25%*	*L50%*	*L90%*	*L95%*	*L99%*	*L_{eq}*	*Adj.*	*Adj. L_{eq}*
Night	0	60.2	73.8	47.1	73.0	71.8	67.7	64.3	53.7	49.1	47.8	47.6	47.3	60.2	10.0	70.2
	1	51.4	59.6	48.0	59.1	58.3	55.9	53.9	51.1	50.1	48.8	48.4	48.1	51.4	10.0	61.4
	2	51.2	58.1	47.7	57.6	56.9	54.9	53.6	51.4	50.4	48.5	48.2	47.8	51.2	10.0	61.2
	3	53.7	63.7	47.9	63.3	62.5	59.8	57.8	52.3	50.6	48.7	48.3	48.0	53.7	10.0	63.7
	4	55.1	64.2	50.7	63.8	63.1	60.6	58.6	54.1	52.9	51.5	51.2	50.8	55.1	10.0	65.1
	5	59.7	68.8	54.5	68.5	67.9	65.5	63.9	59.0	56.5	55.0	54.8	54.6	59.7	10.0	69.7
	6	63.0	71.5	56.8	71.2	70.7	68.6	67.2	62.9	60.3	57.8	57.4	57.0	63.0	10.0	73.0
Day	7	64.6	72.7	57.7	72.3	71.7	70.0	68.9	65.2	62.1	58.8	58.3	57.9	64.6	0.0	64.6
	8	63.2	71.9	54.0	71.6	70.9	69.1	67.9	63.7	59.9	55.4	54.8	54.2	63.2	0.0	63.2
	9	60.5	70.6	49.7	70.2	69.5	67.1	65.4	60.3	55.9	50.9	50.3	49.8	60.5	0.0	60.5
	10	59.8	70.2	49.2	69.8	69.1	66.5	64.9	59.2	54.8	50.4	49.9	49.3	59.8	0.0	59.8
	11	60.1	70.4	46.7	69.9	69.2	66.8	65.4	59.7	54.4	48.3	47.6	46.9	60.1	0.0	60.1
	12	68.0	75.1	57.8	74.7	74.1	73.0	71.9	69.3	66.0	59.7	59.1	58.0	68.0	0.0	68.0
	13	61.6	71.6	49.2	71.3	70.7	68.9	67.1	60.9	55.6	50.3	49.6	49.3	61.6	0.0	61.6
	14	61.5	72.1	49.3	71.7	70.9	68.4	66.7	61.1	56.0	50.4	49.9	49.4	61.5	0.0	61.5
	15	60.7	70.4	49.3	70.1	69.4	67.2	65.9	60.9	55.3	50.1	49.8	49.4	60.7	0.0	60.7
	16	61.9	71.6	52.5	71.2	70.4	68.1	66.7	62.3	57.4	53.3	52.9	52.6	61.9	0.0	61.9
	17	65.0	75.3	56.1	75.0	74.5	72.8	70.3	63.8	60.0	56.8	56.5	56.2	65.0	0.0	65.0
	18	62.3	71.1	56.6	70.8	70.1	67.9	66.7	62.5	59.4	57.2	57.0	56.7	62.3	0.0	62.3
	19	63.4	75.4	56.2	74.7	73.5	70.3	67.0	61.4	58.6	56.7	56.5	56.2	63.4	5.0	68.4
	20	61.9	72.4	55.4	72.1	71.5	68.5	66.2	60.3	57.7	56.1	55.8	55.4	61.9	5.0	66.9
	21	60.3	69.6	53.9	69.2	68.6	66.6	64.9	59.9	56.3	54.5	54.2	54.0	60.3	5.0	65.3
Night	22	59.0	69.1	54.0	68.6	67.6	65.2	63.2	57.9	55.8	54.5	54.3	54.1	59.0	10.0	69.0
	23	58.3	68.1	53.8	67.6	66.6	63.6	61.7	57.4	55.8	54.5	54.2	53.9	58.3	10.0	68.3

Timeframe	*Hour*	*L_{eq}*	*L_{max}*	*L_{min}*	*L1%*	*L2%*	*L5%*	*L8%*	*L25%*	*L50%*	*L90%*	*L95%*	*L99%*
Day	Min	59.8	69.6	46.7	69.2	68.6	66.5	64.9	59.2	54.4	48.3	47.6	46.9
	Max	68.0	75.4	57.8	75.0	74.5	73.0	71.9	69.3	66.0	59.7	59.1	58.0
Energy Average		63.0	Average:		71.6	71.0	68.7	67.1	62.0	58.0	53.9	53.5	53.0
Night	Min	51.2	58.1	47.1	57.6	56.9	54.9	53.6	51.1	49.1	47.8	47.6	47.3
	Max	63.0	73.8	56.8	73.0	71.8	68.6	67.2	62.9	60.3	57.8	57.4	57.0
Energy Average		58.4	Average:		65.9	65.1	62.4	60.5	55.5	53.5	51.9	51.6	51.3

24-Hour CNEL	*Leq (dBA) Daytime (7am-10pm)*	*Leq (dBA) Nighttime (10pm-7am)*
66.3	**63.0**	**58.4**

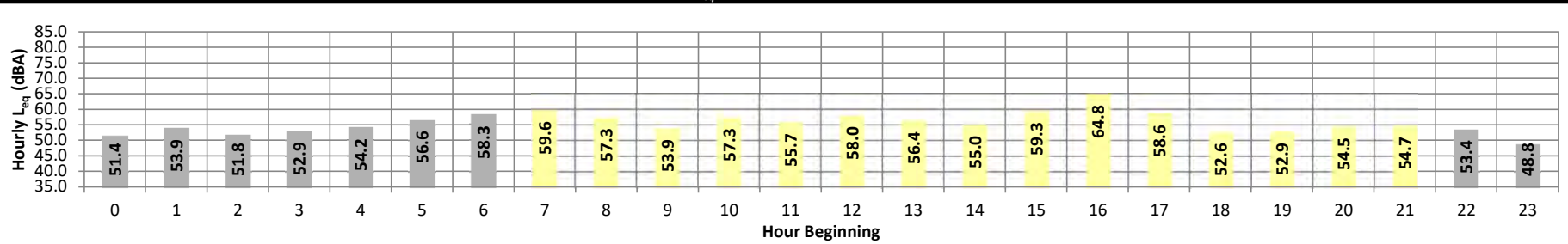
URBAN CROSSROADS

24-Hour Noise Level Measurement Summary

Date: Thursday, December 18, 2025 *Location:* L3 - Located north of the site near the residence at 3160 Asher *Meter:* Piccolo II *JN:* 15953

Project: Merced Ave. Stormwater Capture Project *Source:* St. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	*Hour*	*L_{eq}*	*L_{max}*	*L_{min}*	*L1%*	*L2%*	*L5%*	*L8%*	*L25%*	*L50%*	*L90%*	*L95%*	*L99%*	*L_{eq}*	*Adj.*	*Adj. L_{eq}*
Night	0	51.4	56.1	48.1	56.0	55.9	55.6	55.3	50.8	50.1	48.7	48.5	48.2	51.4	10.0	61.4
	1	53.9	62.1	48.2	61.8	61.1	59.7	59.2	52.3	50.6	48.9	48.6	48.3	53.9	10.0	63.9
	2	51.8	58.3	47.6	57.9	57.1	56.3	55.9	51.8	50.3	48.3	48.0	47.7	51.8	10.0	61.8
	3	52.9	58.3	48.5	58.2	58.0	57.7	57.4	52.4	51.2	49.4	49.0	48.6	52.9	10.0	62.9
	4	54.2	57.5	51.6	57.4	57.3	57.0	56.8	54.3	53.5	52.3	52.0	51.7	54.2	10.0	64.2
	5	56.6	61.1	54.5	60.9	60.7	59.7	59.4	56.5	55.9	54.9	54.7	54.5	56.6	10.0	66.6
	6	58.3	63.8	55.9	63.3	62.7	61.7	61.1	58.1	57.3	56.3	56.2	56.0	58.3	10.0	68.3
Day	7	59.6	66.2	55.0	65.8	65.4	64.3	63.4	60.3	57.8	55.6	55.4	55.1	59.6	0.0	59.6
	8	57.3	65.3	52.4	64.6	63.9	62.3	61.3	57.6	55.3	53.1	52.8	52.5	57.3	0.0	57.3
	9	53.9	61.3	49.2	60.8	60.3	59.0	57.9	54.0	51.8	49.7	49.5	49.2	53.9	0.0	53.9
	10	57.3	68.2	48.7	67.2	66.2	63.2	61.5	56.8	53.9	49.7	49.2	48.8	57.3	0.0	57.3
	11	55.7	64.6	48.2	64.1	63.7	62.3	61.1	55.1	52.0	49.1	48.7	48.3	55.7	0.0	55.7
	12	58.0	63.9	52.7	63.5	63.1	62.0	61.2	58.7	56.8	54.8	54.2	52.9	58.0	0.0	58.0
	13	56.4	64.5	49.3	64.1	63.9	62.4	61.0	57.0	53.0	50.2	49.8	49.4	56.4	0.0	56.4
	14	55.0	64.4	47.5	63.8	63.2	61.6	59.9	54.9	51.4	48.4	48.1	47.7	55.0	0.0	55.0
	15	59.3	67.2	52.4	66.6	65.8	64.5	63.2	59.7	57.4	54.6	53.9	52.8	59.3	0.0	59.3
	16	64.8	78.0	50.2	77.4	76.1	73.5	69.2	59.3	54.2	51.2	50.8	50.3	64.8	0.0	64.8
	17	58.6	65.2	55.1	64.8	64.3	63.0	62.0	58.6	57.4	55.8	55.6	55.2	58.6	0.0	58.6
	18	52.6	60.7	49.4	60.0	59.2	56.8	55.7	52.5	51.1	49.8	49.6	49.5	52.6	0.0	52.6
	19	52.9	59.0	49.8	58.7	58.3	57.1	56.1	53.0	51.5	50.2	50.0	49.9	52.9	5.0	57.9
	20	54.5	59.0	52.5	58.7	58.4	57.4	56.7	54.6	53.9	52.9	52.7	52.5	54.5	5.0	59.5
	21	54.7	59.0	52.9	58.6	58.3	57.5	56.8	54.9	54.1	53.3	53.1	53.0	54.7	5.0	59.7
Night	22	53.4	56.5	51.9	56.3	56.1	55.3	54.9	53.7	53.2	52.3	52.1	51.9	53.4	10.0	63.4
	23	48.8	51.2	47.4	50.9	50.6	50.0	49.7	49.1	48.6	47.8	47.6	47.4	48.8	10.0	58.8

Timeframe	*Hour*	*L_{eq}*	*L_{max}*	*L_{min}*	*L1%*	*L2%*	*L5%*	*L8%*	*L25%*	*L50%*	*L90%*	*L95%*	*L99%*
Day	Min	52.6	59.0	47.5	58.6	58.3	56.8	55.7	52.5	51.1	48.4	48.1	47.7
	Max	64.8	78.0	55.1	77.4	76.1	73.5	69.2	60.3	57.8	55.8	55.6	55.2
Energy Average		58.1	Average:		63.9	63.3	61.8	60.5	56.5	54.1	51.9	51.6	51.1
Night	Min	48.8	51.2	47.4	50.9	50.6	50.0	49.7	49.1	48.6	47.8	47.6	47.4
	Max	58.3	63.8	55.9	63.3	62.7	61.7	61.1	58.1	57.3	56.3	56.2	56.0
Energy Average		54.3	Average:		58.1	57.7	57.0	56.6	53.2	52.3	51.0	50.7	50.5

24-Hour CNEL	*Leq (dBA) Daytime (7am-10pm)*	*Leq (dBA) Nighttime (10pm-7am)*
61.7	**58.1**	**54.3**

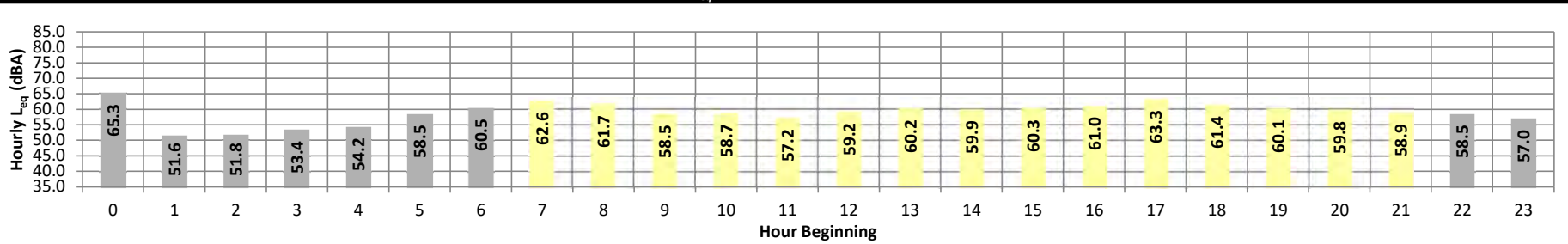
URBAN CROSSROADS

24-Hour Noise Level Measurement Summary

Date: Thursday, December 18, 2025 *Location:* L4 - Located south of the site near the residence at 9857 Rio *Meter:* Piccolo II *JN:* 15953

Project: Merced Ave. Stormwater Capture Project *Source:* Hondo Pkwy. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	65.3	79.5	49.4	78.9	77.7	73.4	68.4	53.4	50.8	49.9	49.7	49.5	65.3	10.0	75.3
	1	51.6	57.5	49.5	57.1	56.4	54.5	53.4	51.7	51.0	50.0	49.8	49.6	51.6	10.0	61.6
	2	51.8	56.4	49.7	56.1	55.7	54.3	53.5	52.1	51.3	50.2	50.0	49.8	51.8	10.0	61.8
	3	53.4	61.6	50.0	61.2	60.6	58.6	56.5	52.8	51.8	50.5	50.3	50.0	53.4	10.0	63.4
	4	54.2	61.1	51.7	60.9	60.4	58.3	56.7	53.8	53.1	52.2	52.0	51.8	54.2	10.0	64.2
	5	58.5	67.1	55.2	66.7	65.9	63.6	61.6	57.9	56.7	55.7	55.5	55.3	58.5	10.0	68.5
	6	60.5	68.7	56.8	68.2	67.6	65.4	64.0	60.3	58.5	57.3	57.1	56.9	60.5	10.0	70.5
Day	7	62.6	71.1	57.5	70.7	70.0	68.1	66.8	62.7	59.9	58.0	57.7	57.5	62.6	0.0	62.6
	8	61.7	71.0	54.1	70.6	69.9	68.1	66.6	61.7	58.3	54.7	54.4	54.1	61.7	0.0	61.7
	9	58.5	68.2	52.6	67.8	67.1	64.4	62.6	57.9	55.0	53.2	53.0	52.8	58.5	0.0	58.5
	10	58.7	68.6	51.3	68.1	67.3	65.4	63.8	58.0	54.3	51.9	51.6	51.4	58.7	0.0	58.7
	11	57.2	66.8	50.7	66.4	65.7	63.4	61.7	56.9	53.4	51.2	51.0	50.8	57.2	0.0	57.2
	12	59.2	67.8	52.5	67.4	66.8	64.9	63.6	59.6	56.3	53.1	52.8	52.5	59.2	0.0	59.2
	13	60.2	70.2	52.1	69.8	69.0	66.9	65.1	59.9	55.8	52.7	52.4	52.2	60.2	0.0	60.2
	14	59.9	71.0	51.7	70.4	69.3	66.4	64.2	59.0	55.6	52.4	52.0	51.8	59.9	0.0	59.9
	15	60.3	69.5	53.7	69.1	68.4	66.1	64.6	60.2	57.2	54.3	54.0	53.8	60.3	0.0	60.3
	16	61.0	70.2	55.2	69.8	69.1	66.9	65.0	60.9	58.2	55.7	55.5	55.3	61.0	0.0	61.0
	17	63.3	74.3	56.1	73.8	72.9	70.0	67.4	61.8	59.1	56.7	56.4	56.2	63.3	0.0	63.3
	18	61.4	72.2	55.2	71.8	70.8	67.4	65.6	60.2	57.6	55.7	55.5	55.3	61.4	0.0	61.4
	19	60.1	68.9	55.7	68.5	67.7	65.6	63.9	59.7	57.7	56.2	56.0	55.8	60.1	5.0	65.1
	20	59.8	68.9	55.3	68.5	67.9	65.5	63.6	59.1	57.2	55.8	55.6	55.4	59.8	5.0	64.8
	21	58.9	67.9	54.8	67.4	66.5	64.1	62.4	58.5	56.4	55.2	55.1	54.9	58.9	5.0	63.9
Night	22	58.5	68.0	54.4	67.5	66.7	65.0	62.4	57.0	55.7	54.8	54.6	54.4	58.5	10.0	68.5
	23	57.0	65.9	53.7	65.5	64.8	61.7	59.8	56.0	55.1	54.2	54.0	53.8	57.0	10.0	67.0

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	57.2	66.8	50.7	66.4	65.7	63.4	61.7	56.9	53.4	51.2	51.0	50.8
	Max	63.3	74.3	57.5	73.8	72.9	70.0	67.4	62.7	59.9	58.0	57.7	57.5
Energy Average		60.5	Average:		69.3	68.6	66.2	64.5	59.7	56.8	54.5	54.2	54.0
Night	Min	51.6	56.4	49.4	56.1	55.7	54.3	53.4	51.7	50.8	49.9	49.7	49.5
	Max	65.3	79.5	56.8	78.9	77.7	73.4	68.4	60.3	58.5	57.3	57.1	56.9
Energy Average		59.0	Average:		64.7	64.0	61.7	59.6	55.0	53.8	52.7	52.6	52.3

24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
66.0	**60.5**	**59.0**

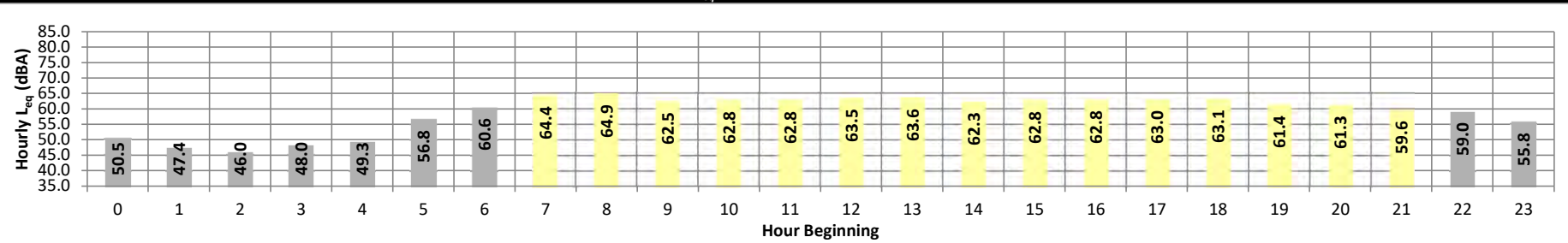
URBAN CROSSROADS

24-Hour Noise Level Measurement Summary

Date: Thursday, December 18, 2025 *Location:* L5 - Located east of the site near the residence at 9912 *Meter:* Piccolo II *JN:* 15953

Project: Merced Ave. Stormwater Capture Project *Source:* Towneway Dr. *Analyst:* Z. Ibrahim

Hourly L_{eq} dBA Readings (unadjusted)



Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%	L_{eq}	Adj.	Adj. L_{eq}
Night	0	50.5	61.9	38.7	61.6	61.1	58.5	55.6	47.4	41.9	39.3	39.0	38.8	50.5	10.0	60.5
	1	47.4	60.1	37.5	59.7	58.5	54.7	51.7	43.4	39.8	38.1	37.9	37.6	47.4	10.0	57.4
	2	46.0	56.7	36.3	56.5	56.0	54.0	51.8	43.2	38.2	36.8	36.6	36.4	46.0	10.0	56.0
	3	48.0	59.0	37.2	58.8	58.2	55.9	53.7	45.2	39.7	37.7	37.5	37.3	48.0	10.0	58.0
	4	49.3	60.8	40.2	60.3	59.8	57.1	54.4	45.7	42.2	40.7	40.5	40.3	49.3	10.0	59.3
	5	56.8	68.3	44.3	68.1	67.5	64.5	61.9	54.2	48.1	45.0	44.7	44.4	56.8	10.0	66.8
	6	60.6	70.2	46.9	69.9	69.4	67.6	66.1	60.7	55.2	48.2	47.5	47.1	60.6	10.0	70.6
Day	7	64.4	70.7	53.5	70.5	70.1	69.2	68.6	66.1	62.5	56.0	54.7	53.7	64.4	0.0	64.4
	8	64.9	71.4	54.5	71.2	70.8	69.6	68.7	66.4	63.6	57.0	55.7	54.6	64.9	0.0	64.9
	9	62.5	70.4	47.6	70.1	69.6	67.9	67.0	64.0	59.8	51.1	49.5	47.9	62.5	0.0	62.5
	10	62.8	70.6	47.5	70.2	69.7	68.3	67.4	64.3	59.9	50.9	49.1	47.7	62.8	0.0	62.8
	11	62.8	70.2	49.2	69.8	69.3	68.0	67.1	64.2	60.8	52.5	50.9	49.6	62.8	0.0	62.8
	12	63.5	72.3	48.2	71.9	71.3	69.3	67.9	64.5	60.7	51.5	49.7	48.4	63.5	0.0	63.5
	13	63.6	70.9	49.6	70.6	70.1	68.6	67.6	64.9	61.9	53.1	51.4	49.9	63.6	0.0	63.6
	14	62.3	69.0	48.2	68.7	68.3	67.1	66.4	63.9	60.6	51.9	49.8	48.3	62.3	0.0	62.3
	15	62.8	69.2	49.0	69.0	68.6	67.5	66.8	64.4	61.4	52.8	50.9	49.2	62.8	0.0	62.8
	16	62.8	69.5	48.6	69.3	68.8	67.7	67.0	64.6	61.0	51.6	50.1	48.8	62.8	0.0	62.8
	17	63.0	69.2	50.5	68.9	68.6	67.5	67.0	64.7	61.5	53.3	52.0	50.9	63.0	0.0	63.0
	18	63.1	70.9	49.7	70.6	70.1	68.8	67.5	64.5	60.6	52.7	51.0	49.9	63.1	0.0	63.1
	19	61.4	68.8	47.8	68.5	68.3	67.2	66.3	62.8	58.7	50.3	49.1	48.0	61.4	5.0	66.4
	20	61.3	70.2	48.7	69.9	69.4	67.5	66.0	62.1	57.7	50.9	50.0	48.9	61.3	5.0	66.3
	21	59.6	68.0	47.0	67.8	67.3	65.8	64.8	60.5	55.5	48.6	47.8	47.1	59.6	5.0	64.6
Night	22	59.0	68.7	46.0	68.5	68.0	66.0	64.4	58.9	53.0	47.1	46.6	46.1	59.0	10.0	69.0
	23	55.8	66.5	41.2	66.2	65.7	63.5	61.6	54.2	46.6	42.0	41.6	41.3	55.8	10.0	65.8

Timeframe	Hour	L_{eq}	L_{max}	L_{min}	L1%	L2%	L5%	L8%	L25%	L50%	L90%	L95%	L99%
Day	Min	59.6	68.0	47.0	67.8	67.3	65.8	64.8	60.5	55.5	48.6	47.8	47.1
	Max	64.9	72.3	54.5	71.9	71.3	69.6	68.7	66.4	63.6	57.0	55.7	54.6
Energy Average		62.9	Average:		69.8	69.4	68.0	67.1	64.1	60.4	52.3	50.8	49.5
Night	Min	46.0	56.7	36.3	56.5	56.0	54.0	51.7	43.2	38.2	36.8	36.6	36.4
	Max	60.6	70.2	46.9	69.9	69.4	67.6	66.1	60.7	55.2	48.2	47.5	47.1
Energy Average		55.4	Average:		63.3	62.7	60.2	57.9	50.3	45.0	41.7	41.3	41.0

24-Hour CNEL	Leq (dBA) Daytime (7am-10pm)	Leq (dBA) Nighttime (10pm-7am)
64.6	62.9	55.4

URBAN CROSSROADS

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APPENDIX 9.1:

CADNAA CONSTRUCTION NOISE CALCULATIONS

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14726 - Beech Logistics Center

CadnaA Noise Prediction Model: 15953-02_Construction.cna
Date: 19.01.26
Analyst: B. Lawson

Calculation Configuration

Configuration	
Parameter	**Value**
General	
Max. Error (dB)	**0.00**
Max. Search Radius (ft)	**6561.70**
Min. Dist Src to Rcvr	**0.00**
Partition	
Raster Factor	**0.50**
Max. Length of Section (ft)	**3280.80**
Min. Length of Section (ft)	**3.30**
Min. Length of Section (%)	**0.00**
Proj. Line Sources	**On**
Proj. Area Sources	**On**
Ref. Time	
Daytime Penalty (dB)	**0.00**
Recr. Time Penalty (dB)	**5.00**
Night-time Penalty (dB)	**10.00**
DTM	
Standard Height (m)	**0.00**
Model of Terrain	**Triangulation**
Reflection	
max. Order of Reflection	**2**
Search Radius Src	**328.08**
Search Radius Rcvr	**328.08**
Max. Distance Source - Rcvr	**3280.84 3280.84**
Min. Distance Rvcr - Reflector	**3.28 3.28**
Min. Distance Source - Reflector	**0.33**
Industrial (ISO 9613 (1996))	
Lateral Diffraction	**some Obj**
Obst. within Area Src do not shield	**On**
Screening	**Incl. Ground Att. over Barrier**
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	**3.0 20.0 0.0**
Temperature (°F)	**50**
rel. Humidity (%)	**70**
Ground Absorption G	**0.50**
Wind Speed for Dir. (mph)	**6.7**
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receiver Noise Levels

Name	M.	ID	Level Lr			Limit. Value			Land Use			Height		Coordinates		
			Day	Night	CNEL	Day	Night	CNEL	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)				(ft)		(ft)	(ft)	(ft)
R1		R1	72.6	-32.2	69.5	0.0	0.0	0.0		x	Total	5.00	r	6544540.47	1847336.35	5.00
R2		R2	71.0	-33.7	68.0	0.0	0.0	0.0		x	Total	5.00	r	6544685.87	1846970.46	5.00
R3		R3	73.3	-31.5	70.3	0.0	0.0	0.0		x	Total	5.00	r	6545239.69	1846746.94	5.00
R4		R4	73.8	-31.0	70.7	0.0	0.0	0.0		x	Total	5.00	r	6545350.14	1846493.26	5.00
R5		R5	71.7	-33.1	68.7	0.0	0.0	0.0		x	Total	5.00	r	6546044.61	1846537.99	5.00

Point Source(s)

Name	M.	ID	Result. PWL			Lw / Li			Operating Time			Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Special	Night			X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	(ft)		(ft)	(ft)	(ft)

Line Source(s)

Name	M.	ID	Result. PWL			Result. PWL'			Lw / Li			Operating Time			Moving Pt. Src				Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	Number			Speed		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)	Day	Evening	Night	(mph)	(ft)	

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Area Source(s)

Name	M.	ID	Result. PWL			Result. PWL''			Lw / Li			Operating Time			Height	
			Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	Special	Night	(ft)	
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	(min)	(min)	(min)		
CA1		CA1	119.5	14.7	14.7	79.8	-25.0	-25.0	PWL-Pt	114.7					0	a

Name	ID	Height			Coordinates			
		Begin		End	x	y	z	Ground
		(ft)		(ft)	(ft)	(ft)	(ft)	(ft)
CA1	CA1	0.00	a		6544506.42	1847357.99	0.00	0.00
					6544561.12	1847266.01	0.00	0.00
					6544590.16	1847217.22	0.00	0.00
					6544618.20	1847169.92	0.00	0.00
					6544646.65	1847122.03	0.00	0.00
					6544673.96	1847076.14	0.00	0.00
					6544678.28	1847069.59	0.00	0.00
					6544683.26	1847063.54	0.00	0.00
					6544690.34	1847056.78	0.00	0.00
					6544698.23	1847050.98	0.00	0.00
					6544706.80	1847046.24	0.00	0.00
					6544741.65	1847030.52	0.00	0.00
					6544793.07	1847007.35	0.00	0.00
					6544839.01	1846986.60	0.00	0.00
					6544844.00	1846984.38	0.00	0.00
					6544891.53	1846963.03	0.00	0.00
					6544941.26	1846940.56	0.00	0.00
					6544990.88	1846918.20	0.00	0.00
					6545038.62	1846896.74	0.00	0.00
					6545091.04	1846873.17	0.00	0.00
					6545122.20	1846859.07	0.00	0.00
					6545137.60	1846851.10	0.00	0.00
					6545150.04	1846846.21	0.00	0.00
					6545160.53	1846838.72	0.00	0.00
					6545170.33	1846826.66	0.00	0.00
					6545176.60	1846817.82	0.00	0.00
					6545198.22	1846781.89	0.00	0.00
					6545222.95	1846739.18	0.00	0.00
					6545245.61	1846700.90	0.00	0.00
					6545255.25	1846685.53	0.00	0.00
					6545260.72	1846676.68	0.00	0.00
					6545278.68	1846656.89	0.00	0.00
					6545313.06	1846618.86	0.00	0.00
					6545353.16	1846581.62	0.00	0.00
					6545387.44	1846546.88	0.00	0.00
					6545404.47	1846536.05	0.00	0.00
					6545411.50	1846530.32	0.00	0.00
					6545437.02	1846511.83	0.00	0.00
					6545453.21	1846502.69	0.00	0.00
					6545470.61	1846499.15	0.00	0.00
					6545521.51	1846495.55	0.00	0.00
					6545574.49	1846491.88	0.00	0.00
					6545610.89	1846490.46	0.00	0.00
					6545630.50	1846492.30	0.00	0.00
					6545683.42	1846497.32	0.00	0.00
					6545738.54	1846502.54	0.00	0.00
					6545779.55	1846506.40	0.00	0.00
					6545791.55	1846506.87	0.00	0.00
					6545846.36	1846509.08	0.00	0.00
					6545899.27	1846511.20	0.00	0.00
					6545953.67	1846513.37	0.00	0.00
					6545973.78	1846514.21	0.00	0.00
					6546007.58	1846515.55	0.00	0.00
					6546068.59	1846517.95	0.00	0.00
					6546069.18	1846453.35	0.00	0.00
					6545973.78	1846453.47	0.00	0.00
					6545952.28	1846453.43	0.00	0.00
					6545914.68	1846453.47	0.00	0.00
					6545867.88	1846453.51	0.00	0.00
					6545783.11	1846456.36	0.00	0.00
					6545711.76	1846450.90	0.00	0.00
					6545649.78	1846445.43	0.00	0.00
					6545602.38	1846441.78	0.00	0.00
					6545581.81	1846441.78	0.00	0.00
					6545565.14	1846442.30	0.00	0.00
					6545524.00	1846443.86	0.00	0.00
					6545508.37	1846444.65	0.00	0.00
					6545476.08	1846451.16	0.00	0.00
					6545461.76	1846453.76	0.00	0.00
					6545428.16	1846463.14	0.00	0.00
					6545415.92	1846468.60	0.00	0.00
					6545397.17	1846479.80	0.00	0.00

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
				6545375.30	1846495.17	0.00	0.00
				6545339.62	1846519.39	0.00	0.00
				6545332.85	1846526.16	0.00	0.00
				6545310.32	1846545.61	0.00	0.00
				6545291.83	1846565.11	0.00	0.00
				6545276.68	1846581.06	0.00	0.00
				6545254.86	1846603.93	0.00	0.00
				6545231.24	1846628.81	0.00	0.00
				6545223.37	1846637.03	0.00	0.00
				6545215.31	1846651.46	0.00	0.00
				6545189.46	1846697.34	0.00	0.00
				6545164.81	1846741.34	0.00	0.00
				6545163.71	1846743.13	0.00	0.00
				6545138.96	1846787.21	0.00	0.00
				6545130.31	1846802.64	0.00	0.00
				6545047.53	1846840.51	0.00	0.00
				6545011.88	1846856.73	0.00	0.00
				6544969.05	1846872.51	0.00	0.00
				6544926.01	1846894.41	0.00	0.00
				6544911.63	1846900.66	0.00	0.00
				6544841.03	1846931.99	0.00	0.00
				6544840.33	1846934.09	0.00	0.00
				6544766.53	1846964.64	0.00	0.00
				6544737.88	1846977.83	0.00	0.00
				6544680.62	1847004.39	0.00	0.00
				6544672.04	1847015.87	0.00	0.00
				6544661.19	1847026.72	0.00	0.00
				6544627.99	1847070.34	0.00	0.00
				6544573.63	1847147.07	0.00	0.00
				6544503.81	1847265.10	0.00	0.00
				6544461.25	1847336.94	0.00	0.00
				6544457.57	1847343.06	0.00	0.00

Barrier(s)

Name	Sel.	M.	ID	Absorption		Z-Ext.	Cantilever		Height		Coordinates			
				left	right		horz.	vert.	Begin	End	x	y	z	Ground
						(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Building(s)

Name	Sel.	M.	ID	RB	Residents	Absorption	Height	Coordinates				
							Begin	x	y	z	Ground	
							(ft)	(ft)	(ft)	(ft)	(ft)	

Ground Absorption(s)

Name	Sel.	M.	ID	G	Coordinates	
					x	y
					(ft)	(ft)

Contour(s)

Name	Sel.	M.	ID	OnlyPts	Height		Coordinates		
					Begin	End	x	y	z
					(ft)	(ft)	(ft)	(ft)	(ft)

Vertical Area Source(s)

Name	ID	Height		Coordinates			
		Begin	End	x	y	z	Ground
		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)

Rail

Name	Sel.	M.	ID	Lw'		Train Class	Correct.	Vmax
				Day	Night		Track	
				(dBA)	(dBA)		(dB)	(km(mph)

Sound Level Spectra

Name	ID	Type	Oktave Spectrum (dB)											Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	

Roads

Urban Crossroads, Inc.

Name	Sel.	M.	ID	Lme			Count Data		exact Count Data						Speed Limit		SCS	Surface		Gradient	Mult. Reflection		
				Day	Evening	Night	DTV	Str.class.	M			p (%)			Auto	Truck	Dist.	Dstro	Type		Drefl	Hbuild	Dist.
				(dBA)	(dBA)	(dBA)			Day	Evening	Night	Day	Evening	Night	(mph)	(mph)		(dB)		(%)	(dB)	(ft)	(ft)

RoadsGeo

Name	Height				Coordinates				Dist	LSlope
	Begin		End		x	y	z	Ground	(ft)	(%)
	(ft)		(ft)		(ft)	(ft)	(ft)	(ft)		