

Notice of Exemption

E202410000338

Appendix E

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

County Clerk

County of: Fresno

2220 Tutare St

Fresno, CA 93721

From: (Public Agency): City of Fresno
2600 Fresno Street
Fresno, CA 93721

(Address) FILED DEC 02 2024 TIME 4:13pm

Project Title: Vinland Park Futsal and Pickleball Courts Project

Project Applicant: City of Fresno

By [Signature] FRESNO COUNTY CLERK DEPUTY

Project Location - Specific:

4695 Gettysburg Avenue, Fresno, CA 93726 (APN: 430-020-19T)

Project Location - City: Fresno Project Location - County: Fresno

Description of Nature, Purpose and Beneficiaries of Project:

See Attachments A-C.

Name of Public Agency Approving Project: City of Fresno

Name of Person or Agency Carrying Out Project:

Exempt Status: (check one):

- Ministerial (Sec. 21080(b)(1); 15268);
Declared Emergency (Sec. 21080(b)(3); 15269(a));
Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
Categorical Exemption. State type and section number: 15061 (b)(3)
Statutory Exemptions. State code number:

Reasons why project is exempt:

See Attachments A-C.

Lead Agency Contact Person: Harlavpreet Brar Area Code/Telephone/Extension: 559-621-8616

If filed by applicant:

- 1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: [Signature] Date: November 27, 2024 Title:

- Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code.
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

Date Received for filing at OPR:

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**CITY OF FRESNO
CATEGORICAL EXEMPTION
ENVIRONMENTAL ASSESSMENT**

THE PROJECT DESCRIBED HEREIN IS DETERMINED TO BE CATEGORICALLY EXEMPT FROM THE PREPARATION OF ENVIRONMENTAL DOCUMENTS PURSUANT TO ARTICLE 19 OF THE STATE CEQA GUIDELINES.

APPLICANT: City of Fresno
Capital Projects Department
747 R Street, Fresno, CA 93721

PROJECT LOCATION: Vinland Park, located at 4695 E Gettysburg Avenue, Fresno
(Council District 4)

PROJECT DESCRIPTION: The proposed project includes expansion of the park with active and passive recreational opportunities and enhances amenities including, but not limited to, a futsal court, four (4) pickleball courts, ADA walkways, a plaza space with shade structure, benches, and picnic tables, two (2) drinking fountains, nine (9) light poles, removal of seven non-native trees and planting new trees around the new courts.

This project is exempt under Section 15061(b)(3) of the State of California CEQA Guidelines. None of the exceptions to Categorical Exemptions set forth in the CEQA Guidelines, Section 15300.2 apply to this project.

EXPLANATION:

Section 15061(b)(3) of the CEQA Guidelines exempts the activity that is covered by common sense exemption that CEQA applies to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA.

The project would be located on approximately 33,800 square-foot (0.78 acre) area to the north of the existing tennis courts. The proposed construction includes, but not limited to, a futsal court, four (4) pickleball courts, ADA walkways, a plaza space with shade structure, benches, picnic tables, two (2) drinking fountains, nine (9) light poles, removal of seven non-native trees and planting new trees around the new courts. The project will develop new sports courts and amenities as an addition to an existing park. The disturbance area is within the boundaries of the existing park and will be contiguous to the existing sport courts.

Based on the analysis provided in below attachments, the lead agency, with certainty, can state there is no possibility that the Project activities would have a significant effect on the environment, and therefore the Project is not subject to CEQA under Section 15061 (b)(3).

None of the exceptions to Categorical Exemptions set forth in the CEQA guidelines Section 15300.2 apply to this project. Furthermore, the proposed project is not expected to have a

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significant effect on the environment. Therefore, a categorical exemption, as noted above, has been prepared for the project.

No adverse environmental impacts will occur as a result of the proposed project.

Date: October 07, 2024

Prepared By: Harlavpreet Brar
Licensed Professional Engineer

Submitted By: Harlavpreet S. Brar
City of Fresno
Capital Projects Department
(559) 621-8616

Attachments:

- Attachment A – Description and Analysis
- Attachment B – California Emissions Estimator Model
- Attachment C – Cultural Resources Technical Memo
- Attachment D – Landscape Ordinance Calculations

Attachment A

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Description of Nature, Purpose and Beneficiaries of Project:

Vinland Park is located at 4695 E Gettysburg Avenue, Fresno (APN 430-020-19T). It encompasses 7.88-acres and offers open green space, a baseball/softball field, a soccer field, tennis courts, and a splash pad.

The proposed Project would include the removal of existing trees, and the development of a futsal court; four pickleball courts; ADA-compliant walkways; a plaza with shade structures, benches, and picnic tables; two drinking fountains; new sports court lighting; and landscaping with associated irrigation systems. The purpose of the Project is to provide long-term recreational enhancements and improvements to the existing public park that will benefit existing and future residents, property owners, and visitors.

The Project would be located within the boundaries of the existing park, north of the tennis courts. The area is undeveloped, with grass and scattered non-native trees. The area surrounding the Project site is predominantly developed with residential uses to the north, east and south. Vinland Elementary School is located immediately adjacent to the west.

Construction of the proposed Project is anticipated to begin in February 2025. Construction would occur over the course of 65 working days. The on-site construction workforce would consist of up to 10 individuals; however, the average daily workforce would vary depending upon the stage in construction.

There is no right-of-way or other land acquisition required for the proposed work. Minimal excavation and directional boring will occur; trenching for irrigation and potable water lines would be approximately 4 feet in depth and boring for sports court lighting would be approximately six feet in depth. The majority of the remaining proposed improvements will occur at grade.

Reasons why project is exempt:

The Project includes the upgrade to existing public facilities, involves a minor expansion of the existing use and the construction of limited numbers of new, small components or structures. The City of Fresno (City, lead agency) intends to upgrade existing ADA paths of travel to make them more accessible, replace the existing landscaping and associated irrigation system, and construct a limited number of new amenities, including sports courts, a plaza with shade structures, benches, and picnic tables, and drinking fountains.

Based on the analysis provided below, the lead agency, with certainty, can state there is no possibility that the Project activities would have a significant effect on the environment, and therefore the Project is not subject to CEQA under Section 15061 (b)(3).

Aesthetics

The Project site is located in a developed area of the City and is not located in an area with expansive or an important viewshed. The Project site is not located within any of the scenic vista points identified in the General Plan and construction of the Project would not significantly affect or block a potentially scenic vista in the City.

Fresno County has three eligible State Scenic Highways; the nearest eligible highways include a portion of State Route (SR) 180, located approximately 7 miles east of the City, and a portion of SR 168, located approximately 5 miles east of City. Implementation of the proposed Project would not damage scenic resources within a designated state scenic highway.

The Project site is currently developed as a public park. The design of the Project is consistent and compatible with the visual character of the Project site and vicinity.

The Project site is located in an urbanized area subject to preexisting exterior lighting from surrounding developments and existing street lighting. The proposed Project would introduce new sources of light and glare to the area in the form of sports court lighting. However, new sources of light and glare associated with the Project would not be significant in the context of existing lighting sources in the Project vicinity. In addition, daytime glare would not be significant because no highly reflective glass elements are proposed as part of the Project. Compliance with California Building Code (Title 24, California Code of Regulations) and Fresno Municipal Code lighting standards would address light and glare impacts to day- and night-time views resulting from construction of the proposed Project.

Air Quality

Construction and operational emissions for the proposed Project, including greenhouse gas emissions, were analyzed using the California Emissions Estimator Model (CalEEMod) version 2020.4.0. Model results for construction and operational emissions are shown in Attachment B. The results shown in Tables 1 and 2, indicate that the proposed Project's construction and operational emissions are exceedingly small and would not exceed SJVAPCD criteria pollutant thresholds for CO, NO_x, ROG, SO_x, PM₁₀, or PM_{2.5}. Nor would it result in a cumulatively considerable contribution to a net increase of any criteria pollutant for which the Project region is in non-attainment.

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Table 1: Project Construction Emissions (TPY) – Vinland Park

| Project Construction | CO | NO _x | ROG | SO _x | PM ₁₀ | PM _{2.5} |
|------------------------------|-------|-----------------|------|-----------------|------------------|-------------------|
| 2025 Construction Emissions* | 0.27 | 0.21 | 0.03 | 0.00 | 0.02 | 0.01 |
| SJVAPCD Thresholds | 100.0 | 10.0 | 10.0 | 27.0 | 15.0 | 15.0 |
| Exceed Threshold? | No | No | No | No | No | No |

Source: Appendix B

*Emission units = Tons per Year (tpy)

CO = carbon monoxide; NO_x = nitrogen oxides; PM_{2.5} = particulate matter less than 2.5 microns in size; PM₁₀ = particulate matter less than 10 microns in size; ROG = reactive organic gas; SO_x = sulfur oxides

SJVAPCD = San Joaquin Valley Air Pollution Control District

Table 2: Project Operational Emissions (TPY) – Vinland Park

| | ROG | NO _x | CO | SO _x | PM ₁₀ | PM _{2.5} |
|--------------------------------------|-------|-----------------|-------|-----------------|------------------|-------------------|
| Total Project Operational Emissions* | 0.003 | 0.000 | 0.004 | 0.000 | 0.001 | 0.000 |
| SJVAPCD Significance Threshold | 10.0 | 10.0 | 100.0 | 27.0 | 15.0 | 15.0 |
| Exceed Threshold? | No | No | No | No | No | No |

Source: Appendix B

Note: 0.000 may represent <0.0005

*Emission units = Tons per Year (tpy) CO = carbon monoxide

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size ROG = reactive organic gas

SJVAPCD = San Joaquin Valley Air Pollution Control District SO_x = sulfur oxides

Therefore, the proposed Project would not conflict with or obstruct implementation of SJVAPCD air quality plans, would not result in a cumulatively considerable contribution to a net increase of any criteria pollutant for which the Project region is in non-attainment, and would not expose sensitive receptors to substantial pollution concentrations.

Odors

During construction, the various diesel-powered vehicles and equipment in use on-site would create localized odors. These odors would be temporary and are not likely to be noticeable for extended periods of time beyond the Project site. Additionally, the proposed Project would not create objectionable odors affecting a substantial number of people during project construction or operation.

Biological Resources

The Project site is located in an urbanized area and is currently developed as a public park. Due to the urban location, the Project site does not provide suitable habitat for special-status animal species. Common wildlife species that are adapted to urban environments are expected to continue to use the site and vicinity after redevelopment. The Project site is not located within riparian habitat or other sensitive natural community, does not contain any aquatic resources, and is not a suitable migratory wildlife corridor. The Project proposes the removal of four Chinese Elm trees and three Pinus spp. trees (approximately 24" trunk), as well as 28,220 square feet of turf. The trees to be removed have been severely pruned by the local utility companies to keep them from encroaching on the nearby power lines. These trees are not considered to have any biological significance and are not native or

heritage trees. The trees will be replaced with ten Chinese Pistache trees (24" box) and 14,796 square feet of turf. Construction will take place outside of the nesting season of February through August for avian species protected under Fish and Game Code 3500 and the Migratory Bird Treaty Act (MBTA). If, for unforeseen reasons, construction cannot avoid the nesting season, a pre-construction clearance survey will be conducted by a qualified biologist to determine if any nesting birds or nesting activity is observed on or within 500-feet of a Project site. Additionally, the following best management practices (BMP) will be implemented during construction:

- a. All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in securely closed containers and removed at least once a week from the construction or Project site.
- b. Construction-related vehicle traffic shall be restricted to established roads and predetermined ingress and egress corridors, staging, and parking areas. Vehicle speeds shall not exceed 20 miles per hour (mph) within the Project site.
- c. No pets, such as dogs or cats, shall be permitted on the Project site during construction.

With implementation of a preconstruction survey (if warranted) and these BMP, impacts would be less than significant.

Cultural and Tribal Resources

The Table Mountain Rancheria Tribe and the Dumna Wo Wah Tribe have requested to be notified pursuant to Assembly Bill 52 (AB 52). A certified letter was mailed to the above-mentioned tribes on July 31, 2024. Neither tribe requested consultation as of this date.

As discussed in the Cultural Resources technical memo, (Attachment C), a Sacred Lands File request was also submitted to the Native American Heritage Commission. A response dated August 1, 2024, indicates negative results. No archaeological or historical resources were identified within the Project site. As required by the California Health and Safety Code and Public Resources Code, the construction crew will abide by all applicable regulations pertaining to cultural and historic resources during all construction activities.

Hydrology, Water Availability and Water Quality

The total ground disturbance area on the Project site is 0.99 acres. As such, the proposed Project does not include the preparation of a Stormwater Pollution Prevention Plan (SWPPP). However, the proposed Project will comply with California Building Code CALGreen (Title 24, part II; Section 5.106) and BMPs. BMP features are designed to eliminate contact of rainfall and stormwater runoff with sources of pollution that occur on construction sites, the main source being soil erosion resulting from unstabilized soils coming in contact with water and wind.

Long-term operational impacts associated with the proposed Project would be considered less than significant with the implementation of the City's Storm Drainage and Flood Control Master Plan (SDFCMP), which manages the City's stormwater drainage systems, and the City's participation in the Phase 1 NPDES Permit for Stormwater Discharges From Municipal Separate Storm Sewer Systems (Phase 1 MS4), which requires the City to implement water quality and watershed protection measures for all development projects.

The City Department of Public Utilities (DPU) currently supplies water to the Project site. Development of the Project is anticipated to result in a decrease in groundwater usage (see Attachment D). The Project includes the replacement of seven trees and 28,220 square feet of turf with 10 trees and 14,796 square feet of turf. The current water use for the existing landscaping of the Project area is 405,479 gallons per year and the anticipated water demand for the Project is approximately 24,379 gallons per year. As such, development of the Project will result in a decrease in water demand by 381,100 gallons per year or a 94% decrease in water demand. Impacts of the Project are less than significant related to long term water usage.

Noise

Certain land uses are considered more sensitive to noise than others. Examples of these include residential areas, educational facilities, hospitals, childcare facilities, and senior housing. The closest sensitive receptors to the Project site include Vinland Elementary School, located immediately west of the Project site, and the residential uses immediately north, east, and south of the Project site. Vinland Elementary, is located approximately 350 feet west of the construction area, the nearest single-family homes are located approximately 60 feet east, and the nearest multi-family residences are located approximately 15 feet north. As noted in Chapter 9, Noise and Safety, of the Fresno General Plan, "There are numerous park and school uses within the city. Noise generated by these uses depends on the age and number of people utilizing the respective facility at a given time and the types of activities they are engaged in. School playing field activities tend to generate more noise than those of neighborhood parks, as the intensity of school playground usage tends to be higher. At a distance of 100 feet from an elementary school playground being used by 100 students, average and maximum noise levels of 60 and 75 dB, respectively, can be expected." As such, there are existing ambient noise levels that are typically of these types of developments.

Short-Term (Construction) Noise Impacts

Project construction would result in short-term noise impacts on nearby sensitive receptors. Maximum construction noise would be short-term, generally intermittent depending on the construction phase, and variable depending on receiver distance from the active construction zone. The duration of noise impacts generally would be from one day to several days depending on the phase of construction. Typical noise levels generated by individual pieces of construction equipment generally range from approximately 77 dBA to 90 dBA Lmax at 50 feet. Depending on the equipment required and duration of use, average-hourly noise levels associated with construction activity typically ranges from roughly 65 to 90 dBA Leq at 50 feet.

Chapter 10, Article 1 (Noise Regulations), of the Fresno Municipal Code establishes excessive noise guidelines and exemptions. Section 10-109 states that construction noise is exempted from City noise regulations provided such work takes place between the hours of 7:00 a.m. and 10:00 p.m. on any day except Sunday. Thus, although development activities associated with the proposed Project could potentially result in a temporary or periodic increase in ambient noise levels in the Project vicinity, construction activity would be exempt from City of Fresno noise regulations, as long as such activity is conducted pursuant to an applicable construction permit and occurs between 7:00 a.m. and 10:00 p.m., excluding Sunday. Therefore, short-term construction impacts associated with the exposure of persons to or the generation of noise levels in excess of standards established in the General Plan or noise ordinance or applicable standards of other agencies would be less than

significant.

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Long-term Operational Impacts

Motor vehicles with their distinctive noise characteristics are the dominant noise source in the Project vicinity. The amount of noise varies according to many factors, such as volume of traffic, vehicle mix (percentage of cars and trucks), average traffic speed, and distance from the observer. Implementation of the proposed Project would result in new daily trips on local roadways in the Project site vicinity. A characteristic of sound is that a doubling of a noise source is required in order to result in a perceptible (3 dBA or greater) increase in the resulting noise level. The Project site is within a high-quality transit priority area, which is defined as “an area within one-half mile of a major transit stop that is existing or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program.” As such, the proposed Project is within walking distance of a high-frequency Fresno Area Express (FAX) bus route. The Project would not result in a doubling of traffic volumes along any roadway segment in the Project vicinity and, therefore, would not result in a perceptible increase in traffic noise levels at receptors in the Project vicinity.

Development of the Project would increase activity at the existing parks. Development of the proposed Project would result in the availability of additional sports courts at the Project site. The Project proposes the development of one futsal court and four pickleball courts at the Project site. Development of the proposed Project would allow for ten futsal players and four pickleball players on each court at a time. It is speculative to anticipate a significant increase in activity at the Project site. Based on the information presented above, the resulting noise impacts would be within the acceptable noise levels established in Tables 9-2 and 9-3 of the Noise and Safety Element of the General Plan.

Additionally, the Project site is located within 1.02 miles of Fresno Yosemite International Airport, 6.17 miles of Fresno Chandler Executive Airport, and 7.2 miles of the Sierra Sky Airport. Each of these airports are considered under the Fresno County Airport Land Use Compatibility Plan (ALUCP). The ALUCP includes CNEL noise contours based on projected airport and aircraft operations. Although the Project site is within 2 miles of Fresno Yosemite International Airport, the Project site is located within the TPZ zone, it is outside of the 60 dB noise contour identified in the Fresno County ALUCP.

Traffic

The subject property is located northwest of the East Gettysburg Avenue and North Woodrow Avenue intersection. According to the General Plan Circulation Element, East Gettysburg Avenue is designated as a collector. Collectors are two- to four-lane undivided (opposing travel lanes generally not separated by a median island) roadways, with the primary function of connecting local streets and arterials and neighborhood traffic generators and providing access to abutting properties. North Woodrow Avenue is designated as a local street. The Project, once constructed, would not affect any circulation system, transit, roadways, or bicycle facilities. The proposed Project will improve existing internal pedestrian facilities at the park through the construction of ADA-compliant walkways. Pedestrian facilities along East Gettysburg Avenue and North Woodrow Avenue would remain unchanged.

Senate Bill (SB) 743 requires that relevant CEQA analysis of transportation impacts be conducted using a metric known as vehicle miles traveled (VMT). VMT measures how much actual auto travel

(additional miles driven) a proposed project would create on California roads. If the project adds excessive car travel onto our roads, the project may cause a significant transportation impact.

The State CEQA Guidelines were amended to implement SB 743, by adding Section 15064.3. Among its provisions, Section 15064.3 confirms that, except with respect to transportation projects, a project's effect on automobile delay shall not constitute a significant environmental impact. Therefore, LOS measures of impacts on traffic facilities is no longer a relevant CEQA criteria for transportation impacts.

CEQA Guidelines Section 15064.3(b)(4) states that "[a] lead agency has discretion to evaluate a project's VMT, including whether to express the change in absolute terms, per capita, per household or in any other measure. A lead agency may use models to estimate a project's VMT and may revise those estimates to reflect professional judgement based on substantial evidence. Any assumptions used to estimate VMT and any revision to model outputs should be documented and explained in the environmental document prepared for the project. The standard of adequacy in Section 15151 shall apply to the analysis described in this section."

On June 25, 2020, the City of Fresno adopted CEQA Guidelines for VMT Thresholds, pursuant to SB 743 to be effective as of July 1, 2020. The thresholds described therein are referred to herein as the City of Fresno VMT Thresholds. The City of Fresno VMT Thresholds document was prepared and adopted consistent with the requirements of CEQA Guidelines Sections 15064.3 and 15064.7. The December 2018 Technical Advisory on Evaluating Transportation Impacts in CEQA (Technical Advisory) published by the Governor's Office of Planning and Research (OPR), was utilized as a reference and guidance document in the preparation of the City of Fresno VMT Thresholds.

The City of Fresno VMT Thresholds adopted a screening standard and criteria that can be used to screen out qualified projects that meet the adopted criteria from needing to prepare a detailed VMT analysis.

The City of Fresno VMT Thresholds Section 3.0 regarding Project Screening discusses a variety of projects that may be screened out of a VMT analysis including specific development and transportation projects. For development projects, conditions may exist that would presume that a development project has a less than significant impact, including:

- The project is within 0.5 mile (mi) of a Transit Priority Area or a High-Quality Transit Area unless the project is inconsistent with the Regional Transportation Plan (RTP)/SCS, has a floor area ratio (FAR) less than 0.75, provides an excessive amount of parking, or reduces the number of affordable residential units.
- The project involves local-serving retail space of less than 50,000 square feet.
- The project has a high level of affordable housing units.
- The project generates a low volume of daily traffic. The City will allow screening out projects if the project would generate less than 500 ADT.
- The development of institutional/government and public service uses that support community health, safety, and welfare.

In accordance with SB 743, "transit priority areas" are defined as "an area within one-half mile of a major transit stop that is existing or planned, if the planned stop is scheduled to be completed within the planning horizon included in a Transportation Improvement Program." The Project site is located

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within a high-quality transit priority area. It is consistent with the 2022 Fresno COG RTP/SCS; floor area ratio (FAR) does not apply as no building is proposed. The Project is not altering the amount of parking and will not reduce the number of affordable residential units. As such, the Project screens out of a VMT analysis.

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ATTACHMENT B
CALEEMOD MODELING

Vinland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vinland Park
Fresno County, Annual

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|----------------------------|-------|----------|-------------|--------------------|------------|
| Other Non-Asphalt Surfaces | 26.56 | 1000sqft | 0.61 | 26,560.00 | 0 |
| City Park | 0.38 | Acre | 0.38 | 16,552.80 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------|----------------------------------|--------------------------|-------|---------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 45 |
| Climate Zone | 3 | | | Operational Year | 2025 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWahr) | 203.98 | CH4 Intensity (lb/MWahr) | 0.033 | N2O Intensity (lb/MWahr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The courts and walkways will encompass 0.61 acres of the 0.99 acre project. The additional 0.38 acres was modeled as city park.

Construction Phase - Default Scheduled to fit anticipated 75 working days of construction

Vehicle Trips - Default trips were increased to match the default trips for a 1 acre City park to represent a small increase of traffic the upgrade may bring.

Fleet Mix - Additional operational trips will come from personal automobiles and has therefore been limited to LDA, LDT1 and LDT2.

Construction Off-road Equipment Mitigation -

| Table Name | Column Name | Default Value | New Value |
|------------------------|------------------------------|---------------|-----------|
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed | 0 | 15 |
| tblConstructionPhase | NumDays | 5.00 | 3.00 |
| tblConstructionPhase | NumDays | 100.00 | 66.00 |

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Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | | | |
|----------------------|--------------|-------------|-----------|
| tblConstructionPhase | NumDays | 5.00 | 3.00 |
| tblConstructionPhase | PhaseEndDate | 7/9/2025 | 7/7/2025 |
| tblConstructionPhase | PhaseEndDate | 6/25/2025 | 5/8/2025 |
| tblConstructionPhase | PhaseEndDate | 7/2/2025 | 6/30/2025 |
| tblFleetMix | HHD | 0.02 | 0.00 |
| tblFleetMix | LDA | 0.52 | 0.33 |
| tblFleetMix | LDT1 | 0.05 | 0.33 |
| tblFleetMix | LDT2 | 0.18 | 0.33 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD2 | 6.6560e-003 | 0.00 |
| tblFleetMix | MCY | 0.02 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.00 |
| tblFleetMix | MH | 2.8650e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.00 |
| tblFleetMix | OBUS | 7.0200e-004 | 0.00 |
| tblFleetMix | SBUS | 1.4630e-003 | 0.00 |
| tblFleetMix | UBUS | 2.8700e-004 | 0.00 |
| tblVehicleTrips | ST_TR | 1.96 | 5.88 |
| tblVehicleTrips | SU_TR | 2.19 | 6.57 |
| tblVehicleTrips | WD_TR | 0.78 | 2.34 |

2.0 Emissions Summary

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Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|---------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2025 | 0.0278 | 0.2122 | 0.2683 | 5.0000e-004 | 0.0122 | 8.8900e-003 | 0.0211 | 4.3900e-003 | 8.1900e-003 | 0.0126 | 0.0000 | 44.5846 | 44.5846 | 0.0118 | 7.4000e-004 | 45.1014 |
| Maximum | 0.0278 | 0.2122 | 0.2683 | 5.0000e-004 | 0.0122 | 8.8900e-003 | 0.0211 | 4.3900e-003 | 8.1900e-003 | 0.0126 | 0.0000 | 44.5846 | 44.5846 | 0.0118 | 7.4000e-004 | 45.1014 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|---------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2025 | 0.0278 | 0.2122 | 0.2683 | 5.0000e-004 | 8.8000e-003 | 8.8900e-003 | 0.0177 | 2.8100e-003 | 8.1900e-003 | 0.0110 | 0.0000 | 44.5846 | 44.5846 | 0.0118 | 7.4000e-004 | 45.1014 |
| Maximum | 0.0278 | 0.2122 | 0.2683 | 5.0000e-004 | 8.8000e-003 | 8.8900e-003 | 0.0177 | 2.8100e-003 | 8.1900e-003 | 0.0110 | 0.0000 | 44.5846 | 44.5846 | 0.0118 | 7.4000e-004 | 45.1014 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 27.93 | 0.00 | 16.12 | 35.99 | 0.00 | 12.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 2-1-2025 | 4-30-2025 | 0.2053 | 0.2053 |
| 2 | 5-1-2025 | 7-31-2025 | 0.0372 | 0.0372 |
| | | Highest | 0.2053 | 0.2053 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 2.4500e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 3.7000e-004 | 2.8000e-004 | 3.3200e-003 | 1.0000e-005 | 1.0300e-003 | 1.0000e-005 | 1.0400e-003 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 0.0000 | 0.7933 | 0.7933 | 3.0000e-005 | 3.0000e-005 | 0.8023 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.0900e-003 | 0.0000 | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.1466 | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |
| Total | 2.8200e-003 | 2.8000e-004 | 3.5700e-003 | 1.0000e-005 | 1.0300e-003 | 1.0000e-005 | 1.0400e-003 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 6.0900e-003 | 0.9404 | 0.9465 | 4.1000e-004 | 3.0000e-005 | 0.9660 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 2.4500e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 3.7000e-004 | 2.8000e-004 | 3.3200e-003 | 1.0000e-005 | 1.0300e-003 | 1.0000e-005 | 1.0400e-003 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 0.0000 | 0.7933 | 0.7933 | 3.0000e-005 | 3.0000e-005 | 0.8023 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 6.0900e-003 | 0.0000 | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.1466 | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |
| Total | 2.8200e-003 | 2.8000e-004 | 3.5700e-003 | 1.0000e-005 | 1.0300e-003 | 1.0000e-005 | 1.0400e-003 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 6.0900e-003 | 0.9404 | 0.9465 | 4.1000e-004 | 3.0000e-005 | 0.9660 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 2/1/2025 | 2/3/2025 | 5 | 1 | |
| 2 | Grading | Grading | 2/4/2025 | 2/5/2025 | 5 | 2 | |
| 3 | Building Construction | Building Construction | 2/6/2025 | 5/8/2025 | 5 | 66 | |

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| | | | | | | |
|---|-----------------------|-----------------------|-----------|-----------|---|---|
| 4 | Paving | Paving | 6/26/2025 | 6/30/2025 | 5 | 3 |
| 5 | Architectural Coating | Architectural Coating | 7/3/2025 | 7/7/2025 | 5 | 3 |

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.61

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,594 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |
| Paving | Cement and Mortar Mixers | 4 | 6.00 | 9 | 0.56 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Grading | Graders | 1 | 6.00 | 187 | 0.41 |
| Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Paving | Pavers | 1 | 7.00 | 130 | 0.42 |
| Paving | Rollers | 1 | 7.00 | 80 | 0.38 |
| Grading | Rubber Tired Dozers | 1 | 6.00 | 247 | 0.40 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Grading | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Paving | Tractors/Loaders/Backhoes | 1 | 7.00 | 97 | 0.37 |
| Site Preparation | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |

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Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 2 | 5.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

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| | | | | | | | | | | |
|-----------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Grading | 3 | 8.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 18.00 | 7.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 7 | 18.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 4.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.7000e-004 | 0.0000 | 2.7000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.2000e-004 | 2.4000e-003 | 1.9100e-003 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.4274 | 0.4274 | 1.4000e-004 | 0.0000 | 0.4309 |
| Total | 2.2000e-004 | 2.4000e-003 | 1.9100e-003 | 0.0000 | 2.7000e-004 | 8.0000e-005 | 3.5000e-004 | 3.0000e-005 | 8.0000e-005 | 1.1000e-004 | 0.0000 | 0.4274 | 0.4274 | 1.4000e-004 | 0.0000 | 0.4309 |

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3.2 Site Preparation - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0147 | 0.0147 | 0.0000 | 0.0000 | 0.0148 |
| Total | 1.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0147 | 0.0147 | 0.0000 | 0.0000 | 0.0148 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 1.0000e-004 | 0.0000 | 1.0000e-004 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.2000e-004 | 2.4000e-003 | 1.9100e-003 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.4274 | 0.4274 | 1.4000e-004 | 0.0000 | 0.4309 |
| Total | 2.2000e-004 | 2.4000e-003 | 1.9100e-003 | 0.0000 | 1.0000e-004 | 8.0000e-005 | 1.8000e-004 | 1.0000e-005 | 8.0000e-005 | 9.0000e-005 | 0.0000 | 0.4274 | 0.4274 | 1.4000e-004 | 0.0000 | 0.4309 |

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3.2 Site Preparation - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0147 | 0.0147 | 0.0000 | 0.0000 | 0.0148 |
| Total | 1.0000e-005 | 0.0000 | 5.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0147 | 0.0147 | 0.0000 | 0.0000 | 0.0148 |

3.3 Grading - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 5.3100e-003 | 0.0000 | 5.3100e-003 | 2.5700e-003 | 0.0000 | 2.5700e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.3000e-004 | 8.7300e-003 | 5.3900e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.2000e-004 | 3.2000e-004 | 0.0000 | 1.2380 | 1.2380 | 4.0000e-004 | 0.0000 | 1.2480 |
| Total | 8.3000e-004 | 8.7300e-003 | 5.3900e-003 | 1.0000e-005 | 5.3100e-003 | 3.5000e-004 | 5.6600e-003 | 2.5700e-003 | 3.2000e-004 | 2.8900e-003 | 0.0000 | 1.2380 | 1.2380 | 4.0000e-004 | 0.0000 | 1.2480 |

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3.3 Grading - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.0000e-005 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 0.0000 | 0.0000 | 0.0474 |
| Total | 2.0000e-005 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 0.0000 | 0.0000 | 0.0474 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 2.0700e-003 | 0.0000 | 2.0700e-003 | 1.0000e-003 | 0.0000 | 1.0000e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 8.3000e-004 | 8.7300e-003 | 5.3900e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.2000e-004 | 3.2000e-004 | 0.0000 | 1.2380 | 1.2380 | 4.0000e-004 | 0.0000 | 1.2480 |
| Total | 8.3000e-004 | 8.7300e-003 | 5.3900e-003 | 1.0000e-005 | 2.0700e-003 | 3.5000e-004 | 2.4200e-003 | 1.0000e-003 | 3.2000e-004 | 1.3200e-003 | 0.0000 | 1.2380 | 1.2380 | 4.0000e-004 | 0.0000 | 1.2480 |

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3.3 Grading - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.0000e-005 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 0.0000 | 0.0000 | 0.0474 |
| Total | 2.0000e-005 | 1.0000e-005 | 1.6000e-004 | 0.0000 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0470 | 0.0470 | 0.0000 | 0.0000 | 0.0474 |

3.4 Building Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0182 | 0.1809 | 0.2319 | 3.8000e-004 | | 7.9600e-003 | 7.9600e-003 | | 7.3200e-003 | 7.3200e-003 | 0.0000 | 33.0976 | 33.0976 | 0.0107 | 0.0000 | 33.3652 |
| Total | 0.0182 | 0.1809 | 0.2319 | 3.8000e-004 | | 7.9600e-003 | 7.9600e-003 | | 7.3200e-003 | 7.3200e-003 | 0.0000 | 33.0976 | 33.0976 | 0.0107 | 0.0000 | 33.3652 |

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3.4 Building Construction - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.4000e-004 | 0.0101 | 2.9100e-003 | 4.0000e-005 | 1.5300e-003 | 7.0000e-005 | 1.6000e-003 | 4.4000e-004 | 6.0000e-005 | 5.1000e-004 | 0.0000 | 4.2830 | 4.2830 | 2.0000e-005 | 6.4000e-004 | 4.4756 |
| Worker | 1.5800e-003 | 9.3000e-004 | 0.0120 | 4.0000e-005 | 4.7500e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.4899 | 3.4899 | 9.0000e-005 | 9.0000e-005 | 3.5200 |
| Total | 1.8200e-003 | 0.0110 | 0.0149 | 8.0000e-005 | 6.2800e-003 | 9.0000e-005 | 6.3700e-003 | 1.7000e-003 | 8.0000e-005 | 1.7900e-003 | 0.0000 | 7.7729 | 7.7729 | 1.1000e-004 | 7.3000e-004 | 7.9956 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0182 | 0.1809 | 0.2319 | 3.8000e-004 | | 7.9600e-003 | 7.9600e-003 | | 7.3200e-003 | 7.3200e-003 | 0.0000 | 33.0976 | 33.0976 | 0.0107 | 0.0000 | 33.3652 |
| Total | 0.0182 | 0.1809 | 0.2319 | 3.8000e-004 | | 7.9600e-003 | 7.9600e-003 | | 7.3200e-003 | 7.3200e-003 | 0.0000 | 33.0976 | 33.0976 | 0.0107 | 0.0000 | 33.3652 |

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3.4 Building Construction - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.4000e-004 | 0.0101 | 2.9100e-003 | 4.0000e-005 | 1.5300e-003 | 7.0000e-005 | 1.6000e-003 | 4.4000e-004 | 6.0000e-005 | 5.1000e-004 | 0.0000 | 4.2830 | 4.2830 | 2.0000e-005 | 6.4000e-004 | 4.4756 |
| Worker | 1.5800e-003 | 9.3000e-004 | 0.0120 | 4.0000e-005 | 4.7500e-003 | 2.0000e-005 | 4.7700e-003 | 1.2600e-003 | 2.0000e-005 | 1.2800e-003 | 0.0000 | 3.4899 | 3.4899 | 9.0000e-005 | 9.0000e-005 | 3.5200 |
| Total | 1.8200e-003 | 0.0110 | 0.0149 | 8.0000e-005 | 6.2800e-003 | 9.0000e-005 | 6.3700e-003 | 1.7000e-003 | 8.0000e-005 | 1.7900e-003 | 0.0000 | 7.7729 | 7.7729 | 1.1000e-004 | 7.3000e-004 | 7.9956 |

3.5 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 8.5000e-004 | 7.3800e-003 | 0.0105 | 2.0000e-005 | | 3.3000e-004 | 3.3000e-004 | | 3.1000e-004 | 3.1000e-004 | 0.0000 | 1.4101 | 1.4101 | 4.1000e-004 | 0.0000 | 1.4204 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 8.5000e-004 | 7.3800e-003 | 0.0105 | 2.0000e-005 | | 3.3000e-004 | 3.3000e-004 | | 3.1000e-004 | 3.1000e-004 | 0.0000 | 1.4101 | 1.4101 | 4.1000e-004 | 0.0000 | 1.4204 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.0000e-005 | 4.0000e-005 | 5.4000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1586 | 0.1586 | 0.0000 | 0.0000 | 0.1600 |
| Total | 7.0000e-005 | 4.0000e-005 | 5.4000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1586 | 0.1586 | 0.0000 | 0.0000 | 0.1600 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 8.5000e-004 | 7.3800e-003 | 0.0105 | 2.0000e-005 | | 3.3000e-004 | 3.3000e-004 | | 3.1000e-004 | 3.1000e-004 | 0.0000 | 1.4101 | 1.4101 | 4.1000e-004 | 0.0000 | 1.4204 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 8.5000e-004 | 7.3800e-003 | 0.0105 | 2.0000e-005 | | 3.3000e-004 | 3.3000e-004 | | 3.1000e-004 | 3.1000e-004 | 0.0000 | 1.4101 | 1.4101 | 4.1000e-004 | 0.0000 | 1.4204 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 7.0000e-005 | 4.0000e-005 | 5.4000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1586 | 0.1586 | 0.0000 | 0.0000 | 0.1600 |
| Total | 7.0000e-005 | 4.0000e-005 | 5.4000e-004 | 0.0000 | 2.2000e-004 | 0.0000 | 2.2000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 0.1586 | 0.1586 | 0.0000 | 0.0000 | 0.1600 |

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 5.5400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.6000e-004 | 1.7200e-003 | 2.7100e-003 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.3830 | 0.3830 | 2.0000e-005 | 0.0000 | 0.3835 |
| Total | 5.8000e-003 | 1.7200e-003 | 2.7100e-003 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.3830 | 0.3830 | 2.0000e-005 | 0.0000 | 0.3835 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.0000e-005 | 1.0000e-005 | 1.2000e-004 | 0.0000 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0353 | 0.0353 | 0.0000 | 0.0000 | 0.0356 |
| Total | 2.0000e-005 | 1.0000e-005 | 1.2000e-004 | 0.0000 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0353 | 0.0353 | 0.0000 | 0.0000 | 0.0356 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|--------------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 5.5400e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 2.6000e-004 | 1.7200e-003 | 2.7100e-003 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.3830 | 0.3830 | 2.0000e-005 | 0.0000 | 0.3835 |
| Total | 5.8000e-003 | 1.7200e-003 | 2.7100e-003 | 0.0000 | | 8.0000e-005 | 8.0000e-005 | | 8.0000e-005 | 8.0000e-005 | 0.0000 | 0.3830 | 0.3830 | 2.0000e-005 | 0.0000 | 0.3835 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.0000e-005 | 1.0000e-005 | 1.2000e-004 | 0.0000 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0353 | 0.0353 | 0.0000 | 0.0000 | 0.0356 |
| Total | 2.0000e-005 | 1.0000e-005 | 1.2000e-004 | 0.0000 | 5.0000e-005 | 0.0000 | 5.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0353 | 0.0353 | 0.0000 | 0.0000 | 0.0356 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 3.7000e-004 | 2.8000e-004 | 3.3200e-003 | 1.0000e-005 | 1.0300e-003 | 1.0000e-005 | 1.0400e-003 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 0.0000 | 0.7933 | 0.7933 | 3.0000e-005 | 3.0000e-005 | 0.8023 |
| Unmitigated | 3.7000e-004 | 2.8000e-004 | 3.3200e-003 | 1.0000e-005 | 1.0300e-003 | 1.0000e-005 | 1.0400e-003 | 2.7000e-004 | 0.0000 | 2.8000e-004 | 0.0000 | 0.7933 | 0.7933 | 3.0000e-005 | 3.0000e-005 | 0.8023 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|----------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| City Park | 0.89 | 2.23 | 2.50 | 2,799 | 2,799 |
| Other Non-Asphalt Surfaces | 0.00 | 0.00 | 0.00 | | |
| Total | 0.89 | 2.23 | 2.50 | 2,799 | 2,799 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|----------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| City Park | 9.50 | 7.30 | 7.30 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Other Non-Asphalt Surfaces | 9.50 | 7.30 | 7.30 | 0.00 | 0.00 | 0.00 | 0 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| City Park | 0.334000 | 0.333000 | 0.333000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Other Non-Asphalt Surfaces | 0.521458 | 0.053308 | 0.175656 | 0.151963 | 0.025001 | 0.006656 | 0.014407 | 0.022718 | 0.000702 | 0.000287 | 0.023515 | 0.001463 | 0.002865 |

5.0 Energy Detail

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Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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6.0 Area Detail

Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 2.4500e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 |
| Unmitigated | 2.4500e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|-------------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|--------|-------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 5.5000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 1.8700e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 |
| Total | 2.4400e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 |

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Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-----------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | | |
| Architectural Coating | 5.5000e-004 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 1.8700e-003 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 2.0000e-005 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 | |
| Total | 2.4400e-003 | 0.0000 | 2.5000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 4.8000e-004 | 4.8000e-004 | 0.0000 | 0.0000 | 5.1000e-004 | |

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|-------------|--------|--------|
| Category | MT/yr | | | |
| Mitigated | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |
| Unmitigated | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|---------------|--------------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| City Park | 0 / 0.452763 | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |

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Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|--------------------|---------------|--------------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | | |
| City Park | 0 / 0.452763 | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |
| Other Non-Asphalt Surfaces | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.1466 | 2.0000e-005 | 0.0000 | 0.1481 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|-------------|--------|--------|
| | MT/yr | | | |
| Mitigated | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |
| Unmitigated | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |

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Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|--------------------|--------------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| City Park | 0.03 | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------------------------|----------------|--------------------|--------------------|---------------|---------------|
| Land Use | tons | MT/yr | | | |
| City Park | 0.03 | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |
| Other Non-Asphalt Surfaces | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 6.0900e-003 | 3.6000e-004 | 0.0000 | 0.0151 |

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3.0 Operational Offroad

Vineland Park - Fresno County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

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ATTACHMENT C –
CULTURAL RESOURCES
TECHNICAL MEMO



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TECHNICAL MEMORANDUM

Date: August 16, 2024

Project: Cultural resources records search – **Vinland Park Futsal and Pickleball Courts Project**

To: Jaymie Brauer, Principal Planner

From: Robert Parr, MS, RPA, Senior Archaeologist

Subject: Cultural Resources Records Search Results (RS#24-356)

Background

A cultural resources records search (#24-356) was conducted at the Southern San Joaquin Valley Information Center at California State University, Bakersfield for the Vinland Park Futsal and Pickleball Courts Project (Project) located in the city of Fresno, Fresno County, California. The purpose of the search was to determine whether any known cultural resources were located on or near the proposed project that might be impacted by project construction and/or activities.

Project Location

The Project IS located in an urban area within the city of Fresno, Fresno County, California. See Figures 1-4 in Attachment A.

Project Description

Vinland Park Futsal and Pickleball Courts Project

The park is located at 4695 E Gettysburg Avenue (APN 430-020-19T). It encompasses 7.88-acres and offers open green space, a baseball/softball field, tennis courts, and a splash pad.

The proposed Project would include the development of both active and passive recreational opportunities and enhanced amenities at the existing park, including: a futsal court; four pickleball courts; ADA-compliant walkways; a plaza with shade structures, benches, and picnic tables; two drinking fountains; and landscaping with associated irrigation systems.

The Project would be located north of the existing tennis courts. The area is undeveloped, with grass and scattered trees. The area surrounding the Project site is predominantly developed with residential uses to the north, east and south. Vinland Elementary School is located immediately adjacent to the west.

Construction of the proposed Project is anticipated to begin in February 2025. Construction would occur over the course of 65 working days. The on-site construction workforce would consist of up to 10 individuals; however, the average daily workforce would vary depending upon the stage in construction.



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TECHNICAL MEMORANDUM

There is no right-of-way or land acquisition required for the proposed work. Minimal excavation will occur; trenching for irrigation and potable water lines would be approximately 4 feet in depth. The majority of the remaining proposed improvements will occur at grade.

Results

The records search indicated that the Vinland Park location has never been surveyed for cultural resources. Four cultural resource studies have been conducted within a half mile of this location, (Smith 1991; Hack 1992a, 1992b; Price 1992; Reiss 1992; Snyder 1992; Dice 2003; Billat 2006; Losee 2013). One historic cultural resource, a segment of the Henry Kachadoorian Bungalow Cottage (primary no. P-10-006863) has been recorded within one half mile of this location.

A Sacred Lands File request was also submitted to the Native American Heritage Commission. A response dated August 1, 2024, indicates negative results (see Attachment B).

Conclusions

Based on the results of cultural records search, the potential to encounter subsurface cultural resources is minimal. Additionally, the Project construction would be conducted within the partially developed and previously disturbed parcel. The potential to uncover subsurface historical or archaeological deposits would be considered unlikely.

However, there is still a possibility that historical or archaeological materials may be exposed during construction. Grading, as well as other ground-disturbing actions, have the potential to damage or destroy these previously unidentified and potentially significant cultural resources within the project area, including historical or archaeological resources. Disturbance of any deposits that have the potential to provide significant cultural data would be considered a significant impact. To reduce the potential impacts of the Project on cultural resources, the project shall comply with all applicable laws and regulations during construction activities.

Robert E. Parr, MS, RPA
Senior Archaeologist

Attachment A - Figures

Attachment B – NAHC Response Letter



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TECHNICAL MEMORANDUM

References

(Note: Alpha-numeric designation in parentheses following citation refers to IC report reference number)

Billat, Lorna

2000 Nextel Communications Wireless Telecommunications Service facility – Fresno County. (FR-01827)

2006 New Tower Submission Packet, FCC Form 620 for Bullard, California, CA-1455F. (FR-02161)

Dice, Michael

2003 Record Search and Site Visit for Cingular Telecommunications Facility Candidate CV-762-04 (Super 8 Motel), 2655 East Shaw Avenue, Fresno, Fresno County, California. (FR-02162)

Hack, Sheryl

1992a Historic Property Survey Report for the Route 168 Urban Project, Fresno County, California. (FR-02234)

1992b Historic Architectural Survey Report #1 for the Route 168 Urban Project, Fresno County, California. (FR-02234D)

Hatoff, Brian

2011 Verizon Cellular Communications Tower Site – Cedar Tree 6648 North Cedar Avenue (APN: 410-020-535) Fresno, California 93710. (FR-02464)

Losee, Carolyn

2013 Cultural Resources Investigation for AT&T Mobility CN2713 “Willow Ave. and Gettysburg Ave.” 2655 East Shaw Avenue, Fresno City and County, California. (FR-02578)

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1992 Negative Archaeological Survey Report for the Route 168 Urban Project, Fresno County, California. (FR-02234E)

Reiss, Ronald B.

1992 Supplementary Historical Architectural Report for the Route 168 Urban Project, Fresno County, California. (FR-02234B)

Smith, Ephraim

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Snyder, John

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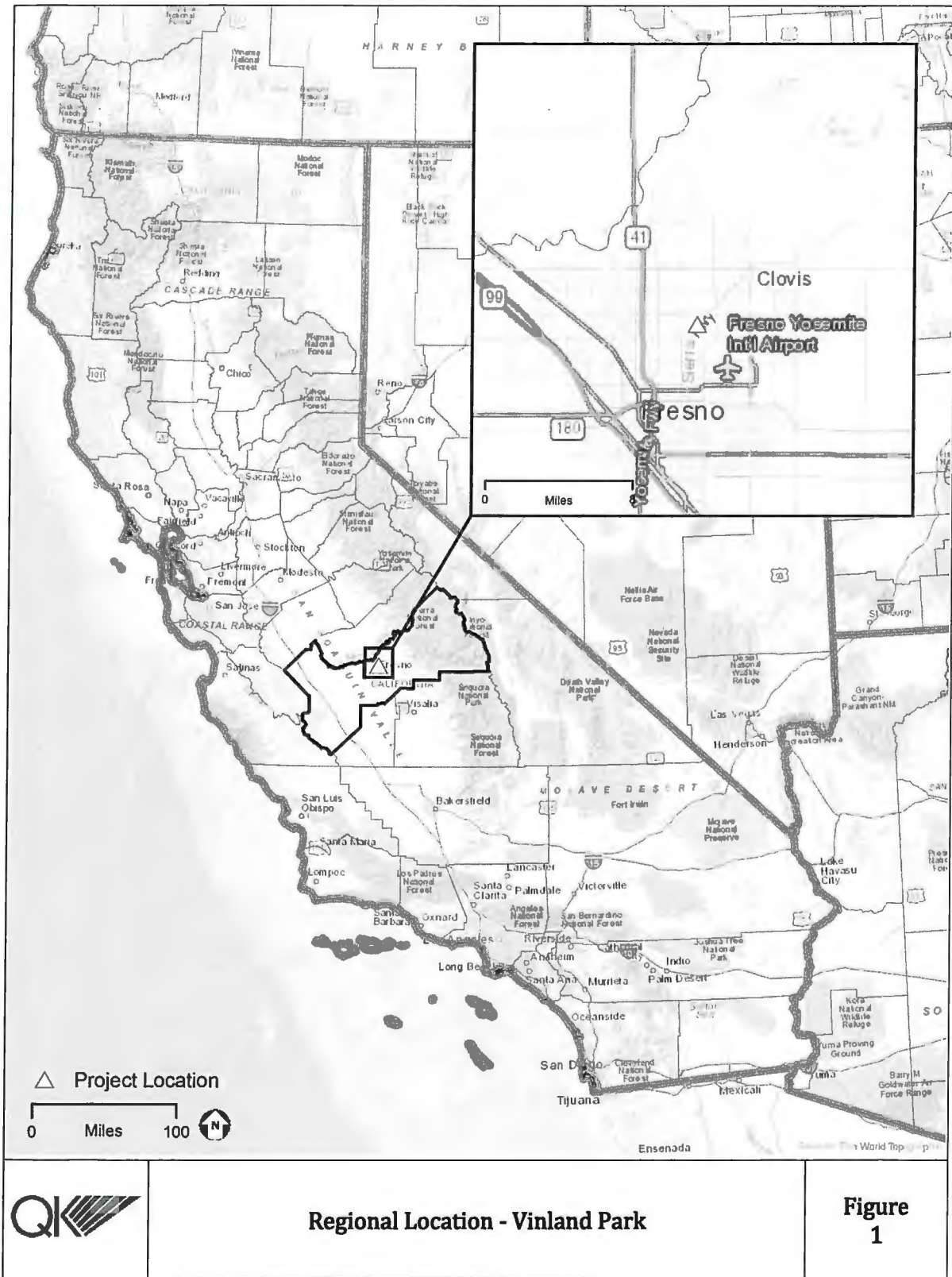


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TECHNICAL MEMORANDUM

Attachment A
Figures

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Regional Location - Vinland Park

Figure 1



Project Area - Vinland Park

Figure 2

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TECHNICAL MEMORANDUM



PLSS/USGS - Vinland Park

Figure 3

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TECHNICAL MEMORANDUM



Topography - Vinland Park

Figure
4

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TECHNICAL MEMORANDUM

Attachment B
NAHC Response Letter

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STATE OF CALIFORNIA

Govin Newsom, Governor

NATIVE AMERICAN HERITAGE COMMISSION

August 1, 2024

Jaymie Brauer
QK

Via Email to: jaymie.brauer@qkinc.com

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NAHC HEADQUARTERS
1550 Harbor Boulevard
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West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, Vinland Park & Rotary East Futsal and Pickleball Courts Project (230149/160), Fresno County

Dear Mr. Brauer:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code § 21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

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- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
 - Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
 - Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
 - If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.
2. The results of any archaeological inventory survey that was conducted, including:
- Any report that may contain site forms, site significance, and suggested mitigation measures.
- All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.
3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission was negative.
4. Any ethnographic studies conducted for any area including all or part of the APE; and
5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Cameron.vela@nahc.ca.gov.

Sincerely,

Cameron Vela

Cameron Vela
Cultural Resources Analyst

Attachment

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Attachment D - Model Water Efficient
Landscape Ordinance Calculations



Vinland Park Water Usage Estimates:

Removed turf area due to new construction: 28,220 sf.

Removed trees due to new construction: 7 trees 4 Chinese Elm and Pinus spp. (3) – They are sized at 24” trunk

Existing Water Demand

| Vinland Futsal and Pickleball Courts - Water Efficient Landscape Worksheet | | | | | | | |
|--|-------------------|-------------------|----------------------------|--------------|-----------------------|-------------|----------------------------------|
| Reference Eto | 51.5 | | | | | | |
| Hydrozone/Plant Description | Plant Factor (PF) | Irrigation Method | Irrigation Efficiency (IE) | ETAF (PF/IE) | Landscape Area (S.F.) | ETAF x Area | Estimated Total Water Use (ETWU) |
| Regular Landscape Area | | | | | | | |
| HZ2 -Moderate (Trees) | 0.6 | Rotor | 0.75 | 0.80 | 28220 | 22576 | 720852 |
| | | | | Totals | 28220 | 22576 | 720852 |
| Special Landscape Area | | | | | | | |
| | | | | 1 | 0 | 0 | 0 |
| ETWU Total | | | | | | | 720852 |
| MAWA Total | | | | | | | |
| Eto | | 0.62 | ETAF | LA | 1-ETAF | SLA | |
| 51.5 | | 0.62 | 0.45 | 28220 | 0.55 | 0 | 405479 |
| MAWA-ETWU= | | | | | | | -315373 |

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Replacement trees: 10 trees - PISTACIA C. 'KEITH DAVEY' / CHINESE PISTACHE 24" BOX

Project Water Demand:

| Vinland Futsal and Pickleball Courts - Water Efficient Landscape Worksheet | | | | | | | |
|--|-------------------|-------------------|----------------------------|--------------|-----------------------|-------------|----------------------------------|
| Reference Eto | 51.5 | | | | | | |
| Hydrozone/Plant Description | Plant Factor (PF) | Irrigation Method | Irrigation Efficiency (IE) | ETAF (PF/IE) | Landscape Area (S.F.) | ETAF x Area | Estimated Total Water Use (ETWU) |
| Regular Landscape Area | | | | | | | |
| HZ2 -Moderate (Trees) | 0.35 | Bubbler | 0.81 | 0.43 | 1767 | 764 | 24379 |
| | | | | | | | |
| Totals | | | | | 1767 | 764 | 24379 |
| Special Landscape Area | | | | | | | |
| | | | | 1 | 0 | 0 | 0 |
| ETWU Total | | | | | | | 24379 |
| MAWA Total | | | | | | | |
| Eto | | 0.62 | ETAF | LA | 1-ETAF | SLA | |
| 51.5 | | 0.62 | 0.45 | 1767 | 0.55 | 0 | 25389 |
| MAWA-ETWU= | | | | | | | 1010 |

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