# **RESPONSES TO COMMENTS INITIAL STUDY/MITIGATED NEGATIVE DECLARATION**

# FOR THE

# KART TRANSIT STATION PROJECT

Prepared for:



**Kings County Area Public Transit Agency** 610 W. 7<sup>th</sup> Street Hanford, CA 93230 Attention: Angie Dow, Executive Director



**UltraSystems Environmental Inc.** 16431 Scientific Way Irvine, CA 92618-4355 Telephone: (949) 788-4900 FAX: (949) 788-4901

# December 2019



# TABLE OF CONTENTS

1.0	Intro	oduction	
	1.1	Background of Environmental Review Process for the Project	1
	1.2	Tribal Consultation	2
	1.3	Responses to Comments	2
	1.4	Intended Uses of this IS/MND	2
2.0 3.0		lic Comments ta Revisions, Clarifications, and Corrections to the IS/MND	
	3.1	General Corrections and Revisions to the IS/MND	
	3.2	Corrections and Additions to IS/MND Sections and Appendices	1
	3.3	Effect of Corrections and Revisions	3

# ATTACHMENTS

Attachment A	Notice of Intent to Adopt a Negative Declaration (NOI), November 5, 2019
Attachment B	NOI Posting at the Kings County Board of Supervisors, November 4, 2019
Attachment C	Kings County Clerk/Recorder NOI Posting/Recording, November 5, 2019
Attachment D	Hanford Sentinel Newspaper Proof of Publication and Tear Sheet, November 5,
	2019
Attachment E	State Clearinghouse Notice of Completion (NOC), November 5, 2019
Attachment F	State Clearinghouse Summary Form, November 5, 2019
Attachment G	Certified Mail Receipts, November 4, 2019
Attachment H	AB-52 Tribal Consultation Letter
Attachment I	Public Comment Letters
Attachment J	Original CalEEMod Output File
Attachment K	Supplemental Air Emissions Modeling Data
Attachment L	Mitigation Monitoring and Reporting Program



# **1.0 INTRODUCTION**

This Responses to Comments (RTC) document, in conjunction with the Draft Initial Study/Mitigated Negative Declaration (IS/MND) responds to comments on the proposed KART Transit Center Project (project). While the State of California Environmental Quality Act (CEQA) Guidelines do not require a final initial study or the preparation of formal responses to comments received during the public review period for an Initial Study/Mitigated Negative Declaration,<sup>1</sup> the Kings County Area Public Transit Agency (KCAPTA) is making available responses to the comments it received during the public review process, to provide further disclosure about the proposed project.

# **1.1** Background of Environmental Review Process for the Project

The IS/MND, along with a Notice of Intent to Adopt a Mitigated Negative Declaration (NOI) in English and Spanish (see <u>Attachment A</u>), was released for public and agency review on November 5, 2019, with a 31-day review period ending on December 5, 2019.

English and Spanish versions of the NOI were posted at the Kings County Board of Supervisors on November 4, 2019 (see <u>Attachment B</u>). Additionally, English and Spanish versions of the NOI were also posted at the Kings County Clerk/Recorder on November 5, 2019 (see <u>Attachment C</u>), and copies of the IS/MND were made available for review at the following locations:

- KCAPTA's website at: <u>www.kartbus.org</u>
- KCAPTA, 610 W. 7th Street, Hanford, CA 93230
- Hanford Branch Library, 402 N. Douty Street, Hanford CA 93230

A hard copy of the NOI was mailed to:

• Residents and property owners within 500 feet of the project site.

The NOI was posted in English in a newspaper of general circulation, the Hanford Sentinel Newspaper, on November 5, 2019. See <u>Attachment D</u>, which includes the proof of publication and tear sheet.

The State Clearinghouse sent copies of the IS/MND, along with Notice of Completion (see <u>Attachment E</u>) & Environmental Document Transmittal form (see <u>Attachment F</u>) to those State Agencies that potentially may be affected by the project.

A hard copy of the NOI and a CD with an electronic copy of the IS/MND and IS/MND Appendices was sent via certified mail to all of the entities listed in <u>Attachment G</u> on November 5, 2019.

A hard copy of the NOI and a CD with an electronic copy of the IS/MND and IS/MND Appendices was sent via certified mail to the following Native American Indian Tribes:

- Tule River Indian Tribe
- Kings River Choinumni Farm Tribe
- Santa Rosa Rancheria Tachi Yokut Tribe
- Wuksache Indian Tribe/Eshom Valley Band

<sup>1</sup> CEQA only requires the lead agency to respond to comments that are received in response to an environmental impact report (Title 14, California Code of Regulations, § 15088, Evaluation of and Response to Comments).



# **1.2** Tribal Consultation

As part of AB 52 Consultation, the KCAPTA sent consultation requests on May 23, 2019 to the Santa Rosa Rancheria Tachi Yokut Tribe. See <u>Attachment H</u>. The KCAPTA received no reply either in writing or in response to subsequent phone calls made to the tribe by KCAPTA.

# **1.3** Responses to Comments

This document provides a response to comments received on the IS/MND. The five comment letters noted are in **Section 2.0**, Public Comments.

# 1.4 Intended Uses of this IS/MND

The IS/MND will be used by the KCAPTA in considering approval of the proposed project. In accordance with CEQA Guidelines § 15074, the IS/MND will be used as the primary environmental document in consideration of all subsequent planning and permitting actions associated with the proposed project, to the extent such actions require CEQA compliance and as otherwise permitted under applicable law.

# **15074.** CONSIDERATION AND ADOPTION OF A NEGATIVE DECLARATION OR MITIGATED NEGATIVE DECLARATION.

- (a) Any advisory body of a public agency making a recommendation to the decision-making body shall consider the proposed negative declaration or mitigated negative declaration before making its recommendation.
- (b) Prior to approving a project, the decision-making body of the lead agency shall consider the proposed negative declaration or mitigated negative declaration together with any comments received during the public review process. The decision-making body shall adopt the proposed negative declaration or mitigated negative declaration only if it finds on the basis of the whole record before it (including the initial study and any comments received), that there is no substantial evidence that the project will have a significant effect on the environment and that the negative declaration or mitigated negative declaration reflects the lead agency's independent judgment and analysis.
- (c) When adopting a negative declaration or mitigated negative declaration, the lead agency shall specify the location and custodian of the documents or other material which constitute the record of proceedings upon which its decision is based.
- (d) When adopting a mitigated negative declaration, the lead agency shall also adopt a program for reporting on or monitoring the changes which it has either required in the project or made a condition of approval to mitigate or avoid significant environmental effects.
- (e) A lead agency shall not adopt a negative declaration or mitigated negative declaration for a project within the boundaries of a comprehensive airport land use plan or, if a comprehensive airport land use plan has not been adopted, for a project within two nautical miles of a public airport or public use airport, without first considering whether the project will result in a safety hazard or noise problem for persons using the airport or for persons residing or working in the projectarea.



(f) When a non-elected official or decision-making body of a local lead agency adopts a negative declaration or mitigated negative declaration, that adoption may be appealed to the agency's elected decisionmaking body, if one exists. For example, adoption of a negative declaration for a project by a city's planning commission may be appealed to the city council. A local lead agency may establish procedures governing such appeals.

Upon review and consideration of the IS/MND, the KCAPTA may take action to adopt, revise, or reject the proposed project. A decision to approve the proposed project would be made in a resolution recommending certification of the IS/MND as part of the consideration of the proposed project. The KCAPTA has prepared this IS/MND and has determined that the environmental impacts of the proposed project have been reduced to a less than significant level through mitigation measures.



# 2.0 PUBLIC COMMENTS

The following persons/entities submitted written comments on the IS/MND, during the public review period. The public comment letters are provided <u>Attachment I</u>.

Letter	Agency, Organization, or Individual	Date
1	Federal Emergency Management Agency (FEMA)	November 12,
1	Contact: Patricia Rippe Patricia.Rippe@fema.dhs.gov	2019
<b>Comment 1-1:</b> This is in response to your request for comments regarding the Notice of In Adapt a Mitigated Negative Declaration for president lungur as KART Transit.		
comment 1-1.	Adopt a Mitigated Negative Declaration for project known as	KART Transit Station.
Response 1-1:	This comment is noted.	
Comment 1-2	Please review the current effective Flood Insurance Rate M County of Kings (Community Number 060086), Maps revised Please note that the County of Kings, California is a participant Insurance Program (NFIP). The minimum, basic NFIP flo building requirements are described in Vol. 44 Code of (44 CFR), Sections 59 through 65.	l September 16, 2015. t in the National Flood odplain management
Response 1-2:	This comment is noted. The project is located in the City of Hanford, which is within the County of Kings. The current effective FIRM map for the project site is FEMA Map Number 06031C0185C, dated June 16, 2009 and is noted on the FEMA Map as an area of minimal flood hazard. Additionally, as detailed on page 4.10-11 of the IS/MND, the project is located in Zone X, Areas determined to be outside the 0.2% annual chance [500-year] floodplain, as shown on the Federal Emergency Management Agency's (FEMA) Flood Insurance Rate Map Number 06031C0185C. The FEMA flood map for the project site is depicted in Figure 10.10-2 of the IS/MND.	
Comment 1-3	<ul> <li>A summary of these NFIP floodplain management building requirements are as follows:</li> <li>All buildings constructed within a riverine floodplain, (i.e., Flood Zones A, AO, AH, AE, and Al through A30 as delineated on the FIRM), must be elevated so that the lowest floor is at or above the Base Flood Elevation level in accordance with the effective Flood Insurance Rate Map.</li> </ul>	
Response 1-3:	As detailed in Response 1-2 above, the project site is within Flood Zone X and is not within any of the flood zones listed in Comment 1-3 above. Therefore, the development standards listed in Comment 1-3 above do not apply to the proposed project.	
Comment 1-4	• If the area of construction is located within a Regulatory Floodway as delineated on the FIRM, any development must not increase base flood elevation levels. The term development means any man-made change to improved or unimproved real estate, including but not limited to buildings, other structures, mining, dredging, filling, grading, paving, excavation or drilling operations, and storage of equipment or materials. A hydrologic and hydraulic analysis must be performed prior to the start of development, and must demonstrate that the development would not cause any rise in base flood levels. No rise is permitted within regulatory floodways.	
Response 1-4:	A "Regulatory Floodway" is defined by FEMA as "the chann watercourse and the adjacent land areas that must be reserved the base flood without cumulatively increasing the water su than a designated height." The project is surrounded by urbar	d in order to discharge urface elevation more



Letter	Agency, Organization, or Individual	Date
	to the north and east, and commercial land uses to the south and west. Therefore,	
	the project is not within a Regulatory Floodway, as defined by FEMA <sup>1</sup> .	
<b>Comment 1-5</b> Response 1-5:	<ul> <li>Upon completion of any development that changes of Hazard Areas, the NFIP directs all participating commappropriate hydrologic and hydraulic data to FEMA f accordance with 44 CFR, Section 65.3, as soon as prathan six months after such data becomes available, a constant of the changes by submitting technical data for To obtain copies of FEMA's Flood Map Revision Aplease refer to the FEMA http://www.fema.gov/business/nfip/forms.shtm.</li> <li>As detailed in Response 1-4 above, the project is not within a and is surrounded by developed/urban land uses. Therefore, change existing Special Flood Hazard Areas. The project is lood</li> </ul>	nunities to submit the or a FIRM revision. In cticable, but not later ommunity shall notify a flood map revision. Application Packages, website at Regulatory Floodway the project would not
	Therefore, the project would have no impact in this regard.	
Comment 1-6	Many NFIP participating communities have adopted floodplain management building requirements which are more restrictive than the minimum federal standards described in 44 CFR. Please contact the local community's floodplain manager for more information on local floodplain management building requirements. The Kings County floodplain manager can be reached by calling William Zumwalt, Director, at (559) 852-3211.	
Response 1-6:	This comment is noted.	
Comment 1-7	If you have any questions or concerns, please do not hesitate to call Patricia Rippe, Senior Floodplain Manager Specialist, of the Mitigation staff at (510) 627-7015.	
Response 1-7:	This comment is noted.	
2	San Joaquin Valley Air Pollution Control District (SJVAPCD) Contact: Georgia Stewart Georgia.Stewart@valleyair.org	December 5, 2019
Comment 2-1:	The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the above referenced project that includes the demolition of existing structures and the construction of a new transit station and commercial development (Project). The approximately 19,000 square foot three-story KART transit station building includes a 6,900 square foot first floor, a 5,516 square foot second floor, and a 6,557 square foot third floor. The project also includes 21 bus bays, 28 staff parking spaces and 114 public parking spaces for transit users. Additionally, two electric bus charges and two electric car charges would be constructed onsite. The approximately four-acre project site is bounded by East 7th Street to the south, North Harris Street to the west, North Brown Street to the east, and the alley between East 8th Street and East 9th Street on the north. (APNs: 010-275-008, 010- 275-011' 010-275-010, 010-275-009, 012-042-015, 012-042-004, 012-042- 017,012-042-014,012-042-013,012-042-012,012-042-011,012-042-010, and 012- 042-009).	
Response 2-1:	This comment is noted.	

<sup>&</sup>lt;sup>1</sup> A "Regulatory Floodway" means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height.



Letter	Agency, Organization, or Individual	Date
Letter	A Phase I Environmental Site Assessment (ESA) was conduc	
	project site at 200-232 East 7th Street, 214-289 East 8th S	
	Harris Street in Hanford. The ESA identified recognized envi	
	(RECs) for the proposed project site: (1) the potential ex	
	hydraulic fluid which may have contained PCBs has occu	
Comment 2-2:	underground storage tanks (USTs), described as either 30- o	
	and waste oil USTs, were closed in place and unknown if a r	
	the USTs, (3) suspected former gasoline station and unknown	disposition of fueling
	system and no information available regarding removal of U	STs, and (4) based on
	years of construction (1903-1968) asbestos containing mater	
	This comment is noted. Pages 4.9-2 and 4.9-4 of the IS/M	
	proposed project also state that based on the years of c	
Response 2-2:	containing materials (ACM) and lead based paint (LBP)	
	completed for structures prior to demolition. Mitigation	
	recommended to reduce potential impacts from LBP an	d ACM to less than
	significant levels.	
	The District offers the following comments:	
	1) The IC (MND submitted to the District does not avaride su	fficiant information to
	1) The IS/MND submitted to the District does not provide sub-	
	allow the District to assess the Project's potential impact on a recommends that a more detailed review of the demolition as	
	emissions be conducted.	
Comment 2-3:		
Comment 2-5.	The District recommends that the Project's emissions inclu	de the following: off-
	road equipment used on-site, on-site truck travel, on-site truck	
	traveled (VMT) by haul trucks to export/dispose of demolitie	-
	to export/dispose of contaminated soil, haul trucks to import	
	haul trucks to dispose of construction debris), and proxi	
	receptors (on-site and off-site) and existing emission sources	
	The CalEEMod calculates emissions from, among other thing	s, off-road equipment
Response 2-3:	used onsite, onsite truck travel, and onsite truck idling. The	
	demolition volumes and the number of haul loads necessary to	
	2) For reference, the District's annual criteria threshold	
	construction are: 100 tons per year of carbon monoxide (CC	
Comment 2-4:	oxides of nitrogen (NOx), 10 tons per year of reactive organic gases (ROG), 27 tons	
	per year of oxides of sulfur (SOx), 15 tons per year of par	
	microns or less in size (PM1 0), or 15 tons per year of par	ticulate matter of 2.5
	microns or less in size (PM2.5). Comment noted. These thresholds are shown in Section 4.3, Ta	able 4.2.4 In addition
Response 2-4:	the header row of the table was corrected to show "SO <sub>x</sub> " inste	
	<ul> <li>Recommended Measure: To reduce impacts from constru</li> </ul>	
Comment 2-5:	emissions, the District recommends the cleanest reasonab	
	construction fleets, as set forth in §2423 of Title 13 of th	
	Regulations, and Part 89 of Title 40 Code of Federal Regulation	
	The following project design feature was added to the Mitig	
	Reporting Program (MMRP): "Construction and demolition of	
Response 2-5:	that contractors use offroad equipment that meets the em	-
	of California Code of Regulations Title 13, § 2423 and	-
	Regulations Title 40, Part 89, to the extent that such equi	
	regulations The 40, Fair 07, to the extent that such equi	pinent is reasonably



Letter	Agency, Organization, or Individual	Date
	available." A reference to this project design feature was add	
	IS/MND (refer to Section 3.0 of this Responses to Comments doc	
<b>Comment 2-6:</b> Operational Emissions: Permitted (stationary sources) and non-permitted		on-permitted (mobile
	sources) sources should be analyzed separately.	
	Although the project design is not yet complete, it is not antici requiring a SJCAPCD permit will be installed. In addition,	
Response 2-6:	sources are not evaluated in an IS/MND, because it is assume	-
	estimate their emissions under new source review rules and	
	For reference, the annual criteria thresholds of signification	
	permitted and non-permitted sources each are: 100 tons	
Comment 2-7:	monoxide (CO), 10 tons per year of oxides of nitrogen (NOx	
comment 2 7.	reactive organic gases (ROG), 27 tons per year of oxides of sul	
	year of particulate matter of 10 microns or less in size (PM 1 (	0), or 15 tons per year
	of particulate matter of 2.5 microns or less in size (PM2.5).	able 4.2.5. In addition
Response 2-7:	Comment noted. These thresholds are shown in Section 4.3, Ta the header row of the table was corrected to show "SO <sub>x</sub> " inst	
Response 2 7.	Section 3.0 of the Responses to Comments document.	1002. Refer to
	• Recommended Measure: Project related impacts on air qu	uality can be reduced
Comment 2-8:	through incorporation of design elements, for example,	
	efficiency, reduce vehicle miles traveled, and reduce operatio	
Response 2-8:	This comment is noted. Energy efficiency measures are discu	
	the IS/MND (refer to Section 3.0 of this Responses to Comments	
	4) Health Risk Assessment: The IS/MND did not include a Heat (HRA). The District recommends the Project be evaluated for	
Comment 2-9:	impacts to surrounding receptors (on-site and off-site) resul	-
	but also construction toxic air contaminant (TAC) emissions.	ting nom operational
	We acknowledge that a formal health risk assessment (HRA	) was not included in
	the analysis. The reasons why are as follows.	
	HRA's are normally not performed for construction active require analysis of the effects or 70 years of continuous exposed on the second secon	
	project, the sensitive receptor exposure during construction is	
	one year. One-year impacts would not likely be significant.	
	Find the second s	
	For the operational phase, the only change between the base	line and future is that
	bus trips in the city of Hanford will approximately double. The	
	gas, which means that only toxic air contaminants with fairly	
Response 2-9:	(e.g. formaldehyde and acetaldehyde) will be emitted. (Thei	
	than 2% of those of diesel particulate matter.) At any given po	0
	the actual exposure to toxic air contaminants will be the su exposures (less than a minute each); for an entire day, the ex	0 0
	than an hour. The HRAs consider 24 hours per day of a	-
	Therefore, the incremental risk along bus routes will be tiny.	continuous exposure.
	As for risk near the new station, there will be a doubling of ar	
	of buses operating in the city of Hanford, plus the operati	
	communities. Since the station will be relocated, new people	
	to the bus emissions. Thus, the exposures per unit of geog higher than they are along the bus routes. However, as	
	emissions are not very toxic (compared to diesel emissions).	
L		



Letter	Agency, Organization, or Individual Date Date
	Finally, KCAPTA will be rapidly replacing its renewable natural gas (RNG)-powered
	buses with all-electric vehicles. Within about 12 years, the entire fleet will be
	electric powered. Therefore, toxic air contaminant emissions will drop to near zero
	both at the station and along the routes. Whatever the health risk is with the current
	fleet, its 70-year average will drop by 83% because of the elimination of combustion
	sources.
	For these reasons on UDA is not warranted and will not be newformed
	For these reasons, an HRA is not warranted and will not be performed. The District recommends that a HRA for construction emissions and operational
Comment 2-10:	emissions be prepared.
Response 2-10:	See response to Comment 2-9.
	When evaluating sample results to determine which pollutants will be included
	in an HRA, the District requires that all pollutants found to be above the level
Comment 2-11:	of detection be included. The District does not use any screening level when
	making this determination.
Response 2-11:	This comment is noted. It does not appear to be relevant to this project or IS/MND.
Comment 2-12:	Per the IS/MND, demolition/construction debris (asphalt, concrete and rubble)
	will be transported for disposal.
Response 2-12:	This comment is noted.
Comment 2-13:	The analysis should also consider the following:
D 0.40	o Off-road equipment used on-site, on-site truck travel, and on-site truck idling.
Response 2-13:	See response to Comment 2-3.
Comment 2-14:	The NESHAP requires that asbestos-containing waste material be disposed of only
	at approved sites, i.e. a Class 1 land disposal facility. This comment is noted. Asbestos-containing material will likely be disposed at the
Response 2-14:	Kettleman Hills Hazardous Waste Facility near Kettleman City, CA.
	o The IS/MND does not provide either the cubic yards of construction debris nor
Comment 2-15:	the approximate truckloads to be exported/disposed/imported related to the
	hazardous 'waste' material (contaminated soil) and the imported clean backfill soil.
	CalEEMod calculated the number of hauling trips to be 158. It used a default one-
	way hauling distance of 20 miles. The actual distance to Kettleman Hills is about 40
	miles. CalEEMod was run with the new hauling distance. The increases in tons per
	year due to the increased distance were as follows.
	DOC: 0.0004
	ROG: 0.0004 NO <sub>x</sub> : 0.0099
	CO: 0.0018
Response 2-15:	PM <sub>10</sub> : 0.0011
	PM <sub>2.5</sub> : 0.0003
	CO <sub>2</sub> e: 4.00
	The supplemental CalEEMod output file is provided in Attachment K. These small
	increases in emissions do not change the conclusion that construction emissions
	will be less than significant.
	Hoalth Diale Accomment (UDA) modeling. The District requires that all invest file
	Health Risk Assessment (HRA) modeling - The District requires that all input files used to conduct the Health Risk Assessment (HRA) be submitted in electronic
Comment 2-16:	format. Providing electronic input files to the District for modeling facilitates the
	District's review of the HRA in a timely manner.
	District of the marma a timely manner.



Letter	Agency, Organization, or Individual	Date	
	This comment is noted. However, as discussed in the response to Comment 2-9, and		
Response 2-16:	HKA will not be performed.		
	Provide all modeling and risk calculation files utilized to pe		
Comment 2-17:	electronic format. The files should be clearly labeled. Clear	5	
	emissions are calculated; along with modeling parameters us	ed and reference data	
	supporting the modeled parameters.		
Response 2-17:	This comment is noted. However, as discussed in the response HRA will not be performed.	e to Comment 2-9, and	
	The District uses a 15-minute idling time assumption unles	s massures to ensure	
Comment 2-18:			
<b>Comment 2-18:</b> that trucks will idle for only 5 minutes are included as mitigation me MND.			
Response 2-18:	See response to Comment 2-3.		
	All project specific assumptions used in modeling that have th	e effect of reducing or	
Comment 2-19:	mitigating project related impacts must be fully enforce	able through permit	
Comment 2-19:	conditions, agreements, or other legally binding instruments	nts (CEQA Guidelines	
	§15126.4, subd.(a)(2)).		
D 0.40	As discussed in the response to Comment 2-5, through projection		
Response 2-19:	AQ-1, use of cleaner equipment will be enforced through prov contracts.	visions of construction	
	5) The Project includes the demolition of seven existing str	ructures. As such the	
	project is subject to District Rule 4002. The Asbestos P		
	renovations and all demolition projects in the San Joaquin Vall		
Comment 2-20:	of the Program include Survey and Notification Requirement		
	project. If you have any questions concerning asbestos related		
	contact the District's Compliance Division at (559) 230-6000		
Response 2-20:	This comment is noted.		
Comment 2-21:	The District's Asbestos Requirements Bulletin can be found o		
	http://www.valleyair.org/busind/comply/asbestos-0514.htm	m.	
Response 2-21:	This comment is noted.	innest on sin suslitu	
	6) District Rule 9510 is intended to mitigate a project's i through project design elements or by payment of applical		
Comment 2-22:	fees. The Project would be subject to District Rule 9510 if		
	emissions. When subject to the rule, an Air Impact Assessment (AIA) application is		
	required prior to applying for project level approval from a p		
Response 2-22:	As shown in Table 4.3-4 of the IS/MND, the project's const.	ruction emissions are	
	below the thresholds for applicability of Rule 9510.		
	The District recommends that demonstration of compliance v		
	9510, before issuance of the first building permit, be made a d		
Comment 2-23:	approval. Information about how to comply with District Rule		
	online at: http://www.valleyair.org/ISR/ISRHome.htm. The A can be found online at:	AIA application form	
	http://www.valleyair.org/ISR/ISRFormsAndApplications.html//www.valleyair.org/ISR/ISRFormsAndApplications.html//	m	
Response 2-23:	See response to Comment 2-22.		
	7) Regulation VIII (Fugitive PM10 Prohibitions}- The Proje	ect will be subject to	
	Regulation VIII. The project proponent is required to su		
	Notification Form or submit and receive approval of a Dust	Control Plan prior to	
Comment 2-24:	commencing any earthmoving activities as described in		
	Construction, Demolition, Excavation, Extraction, and Other E		
	Information on how to comply with Regulation VIII can be for		
	www.valleyair.org/busind/comply/PM 1 0/compliance PM 2	1 U. htm	



T attace		Data
Letter	Agency, Organization, or Individual	Date
Response 2-24:	This comment is noted.	
Comment 2-25:	8) Regulation VIII- the District has determined that compliance with Regulation VIII will constitute sufficient mitigation to reduce fugitive dust related PM10 impacts from construction to a level considered less than significant. However, compliance with Regulation VIII does not mitigate the PM10 impact from equipment exhaust.	
Response 2-25:	PM <sub>10</sub> emissions from equipment exhaust were determin significant.	
Comment 2-26:	9) Other District Rules and Regulations - The above list of rules is neither exhaustive nor exclusive. For example, the Project may be subject to the following District rules, including: Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations). To identify other District rules or regulations that apply to this Project or to obtain information on the District's permit requirements, such as an Authority to Construct (ATC), the Project proponent is strongly encouraged to contact the District's Small Business Assistance Office at (559) 230-5888 or e-mail sba@valleyair.org. Current District rules can be found online at the District's website at: www.valleyair.org/rules/1 ruleslist.htm.	
Response 2-26:	Section 4.3.4.2 of the IS/MND contains a discussion of these and other rules that are potentially applicable to the proposed project.	
Comment 2-27:	If you have any questions or require further information, please call Georgia Stewart at (559) 230-5937 or e-mail Georgia.Stewart@valleyair.org. When calling or emailing the District, please reference District CEQA number 20191295.	
Response 2-27:	This comment is noted.	
3	California Department of Transportation (Caltrans) Contact: Scott Lau Scott.Lau@dot.ca.gov	December 5, 2019
Comment 3-1:	Good afternoon Angie, I have reviewed the KART Transit Station and have no commo Thank you	ents.
Response 3-1:	This comment is noted. No environmental issues are raised.	
4	Bonnie and Harlan Anderson HarlanRW@tomcast.net	Undated
Comment 4-1	In approximately 1997, a man named Pete who was a supervisor with Drug and Alcohol counseling with Kings View incorporated made contact with Harlan E Anderson, the Real Estate broker at Realty World in Hanford. Pete let it be known that they were getting drastically crowded in their facility at the Southeast corner of Bailey and Cousins Drive and they were seeking to Move their Outpatient Drug and Alcohol counseling and monitoring to new quarters. Right at that time, the new OMV building on the corner of Hanford/Armona Road and 12th Avenue was completed which freed up the old Site at Brown and 8th Avenue. With several modifications to the floor plan, this facility was virtually ideal for Kings Views needs. This location was also ideal because it housed approximately 30-40 off street parking spots. Floor plan modifications included 6 or 8 individual offices as well as 3-4 various sized group counseling rooms. Most of the clients served by this facility are there due to Drug and Alcohol intervention and were there due to Court Order.	
Response 4-1	This comment is noted. No environmental issues are raised by	
Comment 4-2	The exact location was also very ideal in that older and properties led to no complaints from neighboring property ov behaviors of Kings View clientele.	d smaller residential vners or occupants re.
Response 4-2	This comment is noted. No environmental issues are raised by	v this comment



τ		
Letter	Agency, Organization, or Individual	Date
Comment 4-3	In approximately 2000, an employee of Kings View set fire to the building because he was just about to get caught for embezzling cash from Kings View. Bottom line is that this fire caused well over \$300,000 in damage, but also led to the ability to make some desired changes to the floor plan as well as a new roof.	
Response 4-3	This comment is noted. No environmental issues are raised by	y this comment.
Comment 4-4	At least as it pertains to this issue, it is my opinion that the current Kings View facility represents the "Highest and Best" use of this property. Replacing the Kings View facility with a bus barn/yard is at best a lateral move in improving the downtown of Hanford.	
Response 4-4	This comment is noted. No environmental issues are raised by	y this comment.
	ERS RECEIVED AFTER THE CLOSE OF THE PUBLIC REVIEW	PERIOD
5	State of California Governor's Office of Planning and	December 9, 2019
	Research Contact: Scott Morgan Scott.Morgan@opr.ca.gov	
Comment 5-1	The State Clearinghouse submitted the above named MND to s for review. The review period closed on 12/3/2019, an submitted comments by that date. This letter acknowledges th with the State Clearinghouse review requirements for documents, pursuant to the California Environmental Quality https://ceqanet.opr.ca.gov/20 19119008/2 for full details ab Please call the State Clearinghouse at (916) 445-0613 if you regarding the environmental review process. If you have a above-named project, please refer to the ten-digit State Clear when contacting this office.	ad no state agencies hat you have complied draft environmental Act, please visit: out your project. u have any questions a question about the
Response 5-1	This comment is noted and does not raise any environmental	issues.



# ATTACHMENT A: NOTICE OF INTENT - ENGLISH



Kings County Area Public Transit Agency ("KCAPTA") is the Lead Agency under the California Environmental Quality Act (CEQA) for the proposed project identified below. KCAPTA has prepared an Initial Study to determine the environmental effects of the proposed project and finds issuance of a Mitigated Negative Declaration is the appropriate level of CEQA environmental review.

**AGENCIES:** KCAPTA requests that your agency review the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the proposed project, in accordance with California Code of Regulations, Title 14, Section 15086(a).

**ORGANIZATIONS AND INTERESTED PARTIES:** KCAPTA requests your comments and concerns regarding the environmental issues associated with the proposed project.

### Project Title: KART Transit Station Project

**Project Description:** The KCAPTA proposes the construction of a new 19,000 square foot Transit Station in the City of Hanford, CA. The proposed project would demolish the existing structures and construct a new transit station and commercial development to provide a new multi-modal transit station to enhance KART ridership.

**Project Location:** East of Harris Street, west of Brown Street, north of East 7<sup>th</sup> Street, and south of the alley located between 9<sup>th</sup> Street and 8<sup>th</sup> Street (Refer to Figure 1).

**Significant Environmental Effects:** The IS/MND concludes that no significant unavoidable environmental effects would occur as a result of the proposed project. Potentially significant impacts related to Air Quality, Biological Resources, Cultural Resources, Geology and Soils, Hazards and Hazardous Materials, Noise, Transportation, Tribal Cultural Resources, and Mandatory Findings of Significance would be mitigated to a less than significant level.

**Public Review Period/Responses and Comments:** The KCAPTA is making the IS/MND available for public review and comment pursuant to California Code of Regulations, Title 14, Section 15087. The KCAPTA will accept responses and comments for 30 days, from and including **November 5, 2019 to December 5, 2019**.

All comments must be submitted in written format; either in a letter or email format. Please indicate a contact person for your agency or organization and send your responses or comments to:

Angie Dow, Executive Director Kings County Area Public Transit Agency (KCAPTA) 610 W. 7<sup>th</sup> Street Hanford, CA 93230 E: angie.dow@co.kings.ca.us

**DOCUMENT AVAILABILITY:** This IS/MND and associated materials are available for review during regular business hours at the following locations:

- KCAPTA 610 W. 7th Street, Hanford, CA 93230
- Hanford Branch Library 402 N. Douty Street, Hanford CA 93230

**PUBLIC HEARING:** will be held at the special meeting of KCAPTA scheduled for December 11, 2019@ 3:30 pm at the Kings County Board of Supervisors Chambers, Kings County Government Center 1400 West Lacey Boulevard, Hanford CA 93230

The document is available on-line on KCAPTA's website at: www.kartbus.org

Attachment: Figure 1: KART Transit Station Project Location Map







Figure 1 KART TRANSIT STATION PROJECT LOCATION MAP



# ATTACHMENT A: NOTICE OF INTENT - SPANISH



### Agencia Pública de Tránsito del Condado de Kings (KCAPTA)

### Aviso de intención de adoptar una declaración negativa mitigada

Para: Agencias, organizaciones y partes interesadas

**De:** Agencia Pública de Tránsito del Condado de Kings (KCAPTA)

Asunto: Aviso de intención de adoptar un estudio inicial/ declaración negativa mitigada (EI/DNM) para la nueva Estación de Tránsito KART

La Agencia Pública de Tránsito del Condado de Kings (KCAPTA, en inglés) es la agencia en virtud de la Ley de Calidad Ambiental de California (CEQA, en inglés) responsable del proyecto propuesto que se detalla más abajo. KCAPTA ha elaborado un estudio inicial para determinar los efectos ambientales del proyecto propuesto y considera pertinente emitir una declaración negativa mitigada como parte de la revisión ambiental prevista por la CEQA.

**AGENCIAS:** KCAPTA solicita que su agencia revise el alcance y contenido de la información ambiental que le corresponde según las responsabilidades legales de su organismo en relación con el proyecto propuesto, de acuerdo con el Código de Regulaciones de California, título 14, artículo 15086(a).

**ORGANIZACIONES Y PARTES INTERESADAS:** KCAPTA le solicita que comunique su opinión e inquietudes respecto a los temas ambientales asociados con el proyecto propuesto.

Título del proyecto: Estación de Tránsito KART

**Descripción del proyecto:** KCAPTA recomienda la construcción de una nueva Estación de Tránsito de 19,000 pies cuadrados en la ciudad de Hanford, California. El proyecto propuesto consistiría en demoler las actuales estructuras y construir un desarrollo comercial y una nueva estación de tránsito multimodal que permita aumentar el número de pasajeros.

**Ubicación del proyecto:** Al este de Harris Street, oeste de Brown Street, norte de East 7<sup>th</sup> Street y sur del callejón situado entre 9<sup>th</sup> Street y 8<sup>th</sup> Street (remítase a la Figura 1).

Efectos ambientales importantes: El El/DNM concluye que el proyecto propuesto no provocaría ningún efecto ambiental inevitable significativo. Los potenciales impactos importantes relacionados con la calidad del aire, los recursos biológicos, los recursos culturales, la geología y suelos, los peligros y materiales peligrosos, el ruido, el transporte, los recursos culturales tribales y los hallazgos obligatorios de importancia se mitigarían hasta un nivel inferior al de importantes.

Período de revisión pública/Respuestas y comentarios: KCAPTA pone el El/DNM a disposición para comentarios y revisión pública, conforme al Código de Regulaciones de California, título 14, artículo 15087. KCAPTA aceptará respuestas y comentarios durante un plazo de 30 días, a partir del 5 de noviembre de 2019 hasta el 5 de diciembre de 2019 inclusive.

Todos los comentarios deberán presentarse por escrito, ya sea mediante carta o por correo electrónico. Por favor indique una persona de contacto de su agencia u organismo y envíe sus respuestas o comentarios a:

Angie Dow, Executive Director Kings County Area Public Transit Agency (KCAPTA) 610 W. 7<sup>th</sup> Street Hanford, CA 93230 E-mail: angle dow/@co kings ca us

E-mail: angie.dow@co.kings.ca.us

**DISPONIBILIDAD DEL DOCUMENTO:** Este El/DNM y los materiales asociados están disponibles para revisión durante las horas laborables habituales en las siguientes direcciones:

- KCAPTA 610 W. 7th Street, Hanford, CA 93230
- Hanford Branch Library 402 N. Douty Street, Hanford CA 93230

**AUDIENCIA PÚBLICA:** El día 11 de diciembre de 2019 a las 3:30 pm tendrá lugar una reunión especial en la Junta de las Cámaras de Supervisores del Condado, en el Centro de Gobierno del Condado de Kings ubicado en 1400 West Lacey Boulevard, Hanford CA 93230.

El documento estará disponible en línea en el sitio en Internet de KCAPTA en www.kartbus.org.

Adjunto: Figura 1: Mapa de la ubicación del proyecto de la Estación de Tránsito KART



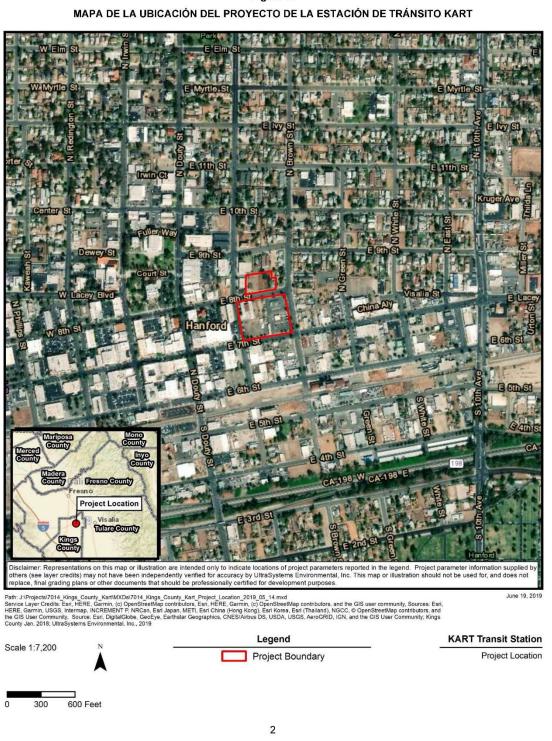


Figura 1:



.....

### ATTACHMENT B: NOI POSTING AT THE KINGS COUNTY BOARD OF SUPERVISORS



Kings County Area Public Transit Agency ("KCAPTA") is the Lead Agency under the California Environmental Quality Act (CEQA) for the proposed project identified below. KCAPTA has prepared an Initial Study to determine the environmental effects of the proposed project and finds issuance of a Mitigated Negative Declaration is the appropriate level of CEQA environmental review.

AGENCIES: KCAPTA requests that your agency review the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the proposed project, in accordance with California Code of Regulations, Title 14, Section 15086(a).

ORGANIZATIONS AND INTERESTED PARTIES: KCAPTA requests your comments and concerns regarding the environmental issues associated with the proposed project.

### Project Title: KART Transit Station Project

**Project Description:** The KCAPTA proposes the construction of a new 19,000 square foot Transit Station in the City of Hanford, CA. The proposed project would demolish the existing structures and construct a new transit station and commercial development to provide a new multi-modal transit station to enhance KART ridership.

Project Location: East of Harris Street, west of Brown Street, north of East 7<sup>th</sup> Street, and south of the alley located between 9<sup>th</sup> Street and 8<sup>th</sup> Street (Refer to Figure 1).

Significant Environmental Effects: The IS/MND concludes that no significant unavoidable environmental effects would occur as a result of the proposed project. Potentially significant impacts related to Air Quality, Biological Resources, Cultural Resources, Geology and Soils, Hazards and Hazardous Materials, Noise, Transportation, Tribal Cultural Resources, and Mandatory Findings of Significance would be mitigated to a less than significant level.

Public Review Period/Responses and Comments: The KCAPTA is making the IS/MND available for public review and comment pursuant to California Code of Regulations, Title 14, Section 15087. The KCAPTA will accept responses and comments for 30 days, from and including November 5, 2019 to December 5, 2019.

All comments must be submitted in written format; either in a letter or email format. Please indicate a contact person for your agency or organization and send your responses or comments to:

### Angie Dow, Executive Director

### Kings County Area Public Transit Agency (KCAPTA)

610 W. 7<sup>th</sup> Street Hanford, CA 93230

E: angie.dow@co.kings.ca.us

**DOCUMENT AVAILABILITY:** This IS/MND and associated materials are available for review during regular business hours at the following locations:

- KCAPTA 610 W. 7th Street, Hanford, CA 93230
- Hanford Branch Library 402 N. Douty Street, Hanford CA 93230

**PUBLIC HEARING:** will be held at the special meeting of KCAPTA scheduled for December 11, 2019@ 3:30 pm at the Kings County Board of Supervisors Chambers, Kings County Government Center 1400 West Lacey Boulevard, Hanford CA 93230

1

The document is available on-line on KCAPTA's website at: www.kartbus.org

Attachment: Figure 1: KART Transit Station Project Location Map





# ATTACHMENT B: NOI POSTING AT THE KINGS COUNTY BOARD OF SUPERVISORS

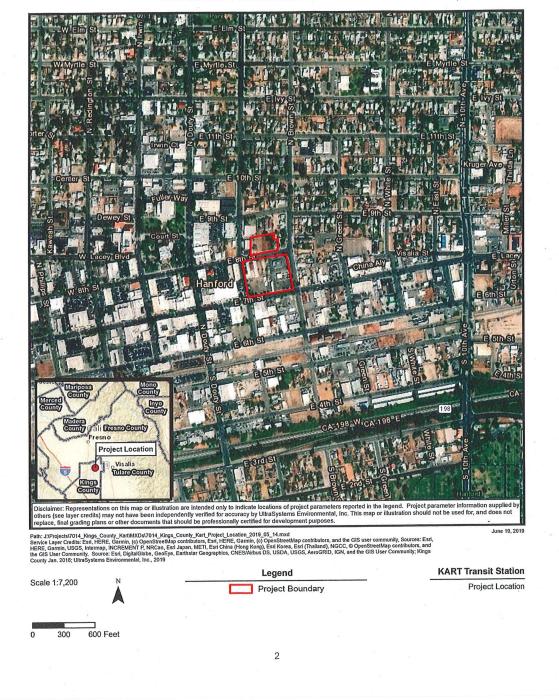


Figure 1 KART TRANSIT STATION PROJECT LOCATION MAP



### ATTACHMENT B: NOI POSTING AT THE KINGS COUNTY BOARD OF SUPERVISORS



### Agencia Pública de Tránsito del Condado de Kings (KCAPTA)

Aviso de intención de adoptar una declaración negativa mitigada

Para: Agencias, organizaciones y partes interesadas

De: Agencia Pública de Tránsito del Condado de Kings (KCAPTA)

Asunto: Aviso de intención de adoptar un estudio inicial/ declaración negativa mitigada (El/DNM) para la nueva Estación de Tránsito KART

La Agencia Pública de Tránsito del Condado de Kings (KCAPTA, en inglés) es la agencia en virtud de la Ley de Calidad Ambiental de California (CEQA, en inglés) responsable del proyecto propuesto que se detalla más abajo. KCAPTA ha elaborado un estudio inicial para determinar los efectos ambientales del proyecto propuesto y considera pertinente emitir una declaración negativa mitigada como parte de la revisión ambiental prevista por la CEQA.

AGENCIAS: KCAPTA solicita que su agencia revise el alcance y contenido de la información ambiental que le corresponde según las responsabilidades legales de su organismo en relación con el proyecto propuesto, de acuerdo con el Código de Regulaciones de California, título 14, artículo 15086(a).

ORGANIZACIONES Y PARTES INTERESADAS: KCAPTA le solicita que comunique su opinión e inquietudes respecto a los temas ambientales asociados con el proyecto propuesto.

Título del proyecto: Estación de Tránsito KART

Descripción del proyecto: KCAPTA recomienda la construcción de una nueva Estación de Tránsito de 19,000 pies cuadrados en la ciudad de Hanford, California. El proyecto propuesto consistiría en demoler las actuales estructuras y construir un desarrollo comercial y una nueva estación de tránsito multimodal que permita aumentar el número de pasajeros.

Ubicación del proyecto: Al este de Harris Street, oeste de Brown Street, norte de East 7<sup>th</sup> Street y sur del callejón situado entre 9<sup>th</sup> Street y 8<sup>th</sup> Street (remítase a la Figura 1).

Efectos ambientales importantes: El El/DNM concluye que el proyecto propuesto no provocaría ningún efecto ambiental inevitable significativo. Los potenciales impactos importantes relacionados con la calidad del aire, los recursos biológicos, los recursos culturales, la geología y suelos, los peligros y materiales peligrosos, el ruido, el transporte, los recursos culturales tribales y los hallazgos obligatorios de importancia se mitigarían hasta un nivel inferior al de importantes.

Período de revisión pública/Respuestas y comentarios: KCAPTA pone el El/DNM a disposición para comentarios y revisión pública, conforme al Código de Regulaciones de California, título 14, artículo 15087. KCAPTA aceptará respuestas y comentarios durante un plazo de 30 días, a partir del 5 de noviembre de 2019 hasta el 5 de diciembre de 2019 inclusive.

Todos los comentarios deberán presentarse por escrito, ya sea mediante carta o por correo electrónico. Por favor indique una persona de contacto de su agencia u organismo y envíe sus respuestas o comentarios a:

#### Angie Dow, Executive Director Kings County Area Public Transit Agency (KCAPTA) 610 W. 7<sup>th</sup> Street Hanford, CA 93230 E-mail: angie.dow@co.kings.ca.us

**DISPONIBILIDAD DEL DOCUMENTO:** Este El/DNM y los materiales asociados están disponibles para revisión durante las horas laborables habituales en las siguientes direcciones:

- KCAPTA 610 W. 7<sup>th</sup> Street, Hanford, CA 93230
- Hanford Branch Library 402 N. Douty Street, Hanford CA 93230

AUDIENCIA PÚBLICA: El día 11 de diciembre de 2019 a las 3:30 pm tendrá lugar una reunión especial en la Junta de las Cámaras de Supervisores del Condado, en el Centro de Gobierno del Condado de Kings ubicado en 1400 West Lacey Boulevard, Hanford CA 93230.

1

El documento estará disponible en línea en el sitio en Internet de KCAPTA en www.kartbus.org Adjunto: Figura 1: Mapa de la ubicación del proyecto de la Estación de Tránsito KART

NOV 4 2019

# BOARD OF SUPERVISORS



# ATTACHMENT B: NOI POSTING AT THE KINGS COUNTY BOARD OF SUPERVISORS

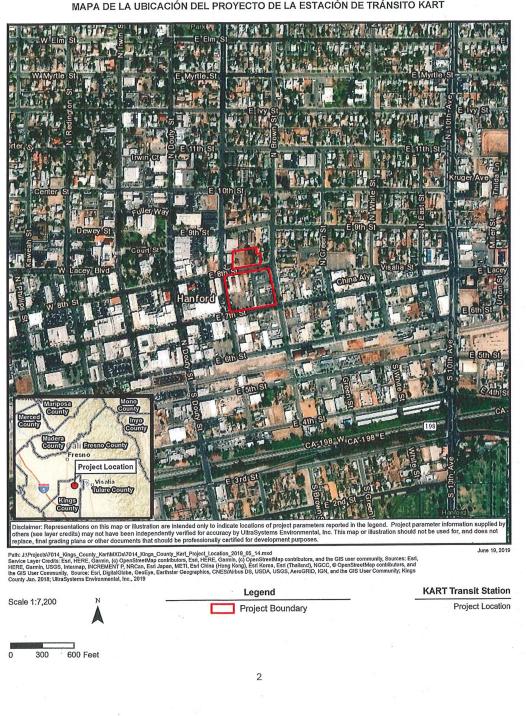


Figura 1: MAPA DE LA UBICACIÓN DEL PROYECTO DE LA ESTACIÓN DE TRÁNSITO KART



# ATTACHMENT C: KINGS COUNTY CLERK/RECORDER NOI POSTING/RECORDING NOVEMBER 5, 2019



### Kings County Area Public Transit Agency (KCAPTA)

### **Notice of Intent to Adopt a Mitigated Negative Declaration**

Agencies, Organizations, and Interested Parties

Kings County Area Public Transit Agency (KCAPTA)

Notice of Intent to Adopt an Initial Study/Mitigated Negative Declaration (IS/MND) for the new KART Transit Station

Kings County Area Public Transit Agency ("KCAPTA") is the Lead Agency under the California Environmental Quality Act (CEQA) for the proposed project identified below. KCAPTA has prepared an Initial Study to determine the environmental effects of the proposed project and finds issuance of a Mitigated Negative Declaration is the appropriate level of CEQA environmental review.

AGENCIES: KCAPTA requests that your agency review the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the proposed project, in accordance with California Code of Regulations, Title 14, Section 15086(a).

**ORGANIZATIONS AND INTERESTED PARTIES:** KCAPTA requests your comments and concerns regarding the environmental issues associated with the proposed project.

#### Project Title: KART Transit Station Project

**Project Description:** The KCAPTA proposes the construction of a new 19,000 square foot Transit Station in the City of Hanford, CA. The proposed project would demolish the existing structures and construct a new transit station and commercial development to provide a new multi-modal transit station to enhance KART ridership.

Project Location: East of Harris Street, west of Brown Street, north of East 7<sup>th</sup> Street, and south of the alley located between 9<sup>th</sup> Street and 8<sup>th</sup> Street (Refer to Figure 1).

Significant Environmental Effects: The IS/MND concludes that no significant unavoidable environmental effects would occur as a result of the proposed project. Potentially significant impacts related to Air Quality, Biological Resources, Cultural Resources, Geology and Soils, Hazards and Hazardous Materials, Noise, Transportation, Tribal Cultural Resources, and Mandatory Findings of Significance would be mitigated to a less than significant level.

Public Review Period/Responses and Comments: The KCAPTA is making the IS/MND available for public review and comment pursuant to California Code of Regulations, Title 14, Section 15087. The KCAPTA will accept responses and comments for 30 days, from and including November 5, 2019 to December 5, 2019.

All comments must be submitted in written format; either in a letter or email format. Please indicate a contact person for your agency or organization and send your responses or comments to:

### Angie Dow, Executive Director Kings County Area Public Transit Agency (KCAPTA) 610 W. 7<sup>th</sup> Street

Hanford, CA 93230

E: angie.dow@co.kings.ca.us

**DOCUMENT AVAILABILITY:** This IS/MND and associated materials are available for review during regular business hours at the following locations:

- KCAPTA 610 W. 7th Street, Hanford, CA 93230
- Hanford Branch Library 402 N. Douty Street, Hanford CA 93230

**PUBLIC HEARING:** will be held at the special meeting of KCAPTA scheduled for December 11, 2019@ 3:30 pm at the Kings County Board of Supervisors Chambers, Kings County Government Center 1400 West Lacey Boulevard, Hanford CA 93230

1

The document is available on-line on KCAPTA's website at: www.kartbus.org

Attachment: Figure 1: KART Transit Station Project Location Map

RECEIVED

NOV 05 2019

KINGS COUNTY CLERK





### ATTACHMENT D: HANFORD SENTINEL NEWSPAPER PROOF OF PUBLICATION AND TEAR SHEET, NOVEMBER 5, 2019

# \*\*\* Proof of Publication \*\*\*

The Sentinel Lee Central California Newspapers P.O. Box 9 Hanford, CALIFORNIA 93232 PHONE 888-790-0915 Sentinel Finance@lee.net

UltraSystems Environmental

Pam Burgett ext 244 16431 SCIENTIFIC WAY

IRVINE CA 92618

ORDER NUMBER 94099

Publication- The Hanford Sentinel

State of California

County of Kings

I am a citizen of the United States and a resident of the county forsaid; I am over the age of eighteen years, and not a part to or interested in the above-entitled matter. I am the principal clerk of The Hanford Sentinel, a newspaper of general circulation, printed and published daily in the city of Hanford, County of Kings, and which newspaper has been adjudged a newspaper of general circulation by the superior court of the County of Kings, State of California, under the date of October 23, 1951, case number 11623.

That I know from my own personal knowledge the notice, of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said nespaper and not in any supplement thereof on the following dates, to wit:

Section: Legals

Category: 201 Public Notices PUBLISHED ON: 11/05/2019

TOTAL AD COST:	
FILED ON:	

1334.75 11/5/2019 See Attenuts

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

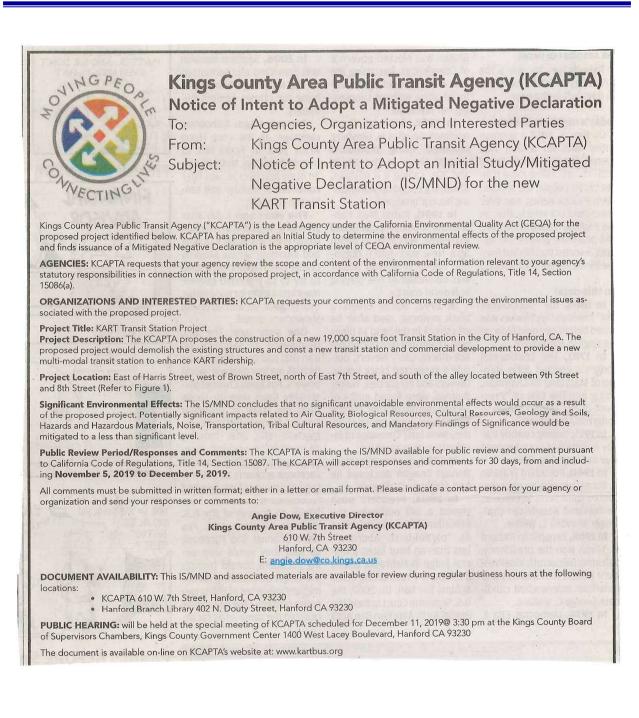
Dated at Kings County, California

Novemb This Day of Signature















# ATTACHMENT E: STATE CLEARINGHOUSE – NOTICE OF COMPLETION (NOC) NOVEMBER 5, 2019

AD	pendix	C
----	--------	---

For Hand Delivery/Street Ad	P.O. Box 3044, Sacramento, dress: 1400 Tenth Street, Sacr	CA 95812-3044 (916) 445 ramento, CA 95814	-0613 SCH #
Project Title: KART Transit Sta	tion Project		
Lead Agency: Kings County Area		Contac	ct Person: Angle Dow
Mailing Address: 610 W. 7th Stre	eet	Phone	: (559) 852-2691
City: Hanford		Zip: 93230 Count	y: Kings County
Project Location: County: Ki Cross Streets: 8th Street & Harris		City/Nearest Community:	Hanford, CA Zip Code: 93230
Philippine and a second s		1 41 03 H NT / 140 0 29 /	36.78 " W Total Acres: 4
Assessor's Parcel No.: See Attachment A			B5 Range: 21E Base: Mt. Diable
Within 2 Miles: State Hwy #	: 198, 87 Inford Municipal Airport	Waterways: None	
Airports: 🔤	aniord Municipal Airport	Railways: Amrak	Schools: See Attachment A
Early Cons	Draft EIR Supplement/Subsequent EII (Prior SCH No.) Other:	Draft E	
Local Action Type: General Plan Update General Plan Amendment General Plan Element Community Plan	<ul> <li>Specific Plan</li> <li>Master Plan</li> <li>Planned Unit Developme</li> <li>Site Plan</li> </ul>	Rezone     Prezone     Use Permit     Land Division (Sul	Annexation     Redevelopment     Coastal Permit bdivision, etc.)
Commercial:Sq.ft.	Acres Employees_ Acres Employees_ Acres Employees_ Acres MGD	[_] Mining: □ Power:	Mineral Type MW :Type MGD :Type
Project Issues Discussed in Aesthetic/Visual Arjicultural Land Air Quality Archeological/Historical Biological Resources Coastal Zone Drainage/Absorption Economic/Jobs	<ul> <li>Document:</li> <li>Fiscal</li> <li>Flood Plain/Flooding</li> <li>Forest Land/Fire Hazard</li> <li>Geologic/Seismic</li> <li>Minerals</li> <li>Noise</li> <li>Population/Housing Balar</li> <li>Public Services/Facilities</li> </ul>		<ul> <li>Vegetation</li> <li>Water Quality</li> <li>Water Supply/Groundwat</li> <li>Wetland/Riparian</li> <li>Growth Inducement</li> <li>Land Use</li> <li>Cumulative Effects</li> <li>Other:</li> </ul>
	•		eneral Plan: Downtown Mixed Use

Revised 2010



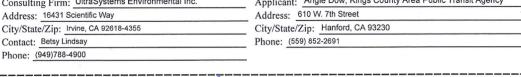
Date: 11/1/2019

Revised 2010



### **Reviewing Agencies Checklist**

Air Resources Board	Office of Historic Preservation
Boating & Waterways, Department of	Office of Public School Construction
California Emergency Management Agency	Parks & Recreation, Department of
California Highway Patrol	Pesticide Regulation, Department of
Caltrans District #	Public Utilities Commission
Caltrans Division of Aeronautics	X Regional WQCB # 5F
Caltrans Planning	Resources Agency
Central Valley Flood Protection Board	Resources Recycling and Recovery, Department of
Coachella Valley Mtns. Conservancy	S.F. Bay Conservation & Development Comm.
Coastal Commission	San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
Colorado River Board	San Joaquin River Conservancy
Conservation, Department of	Santa Monica Mtns. Conservancy
Corrections, Department of	State Lands Commission
Delta Protection Commission	SWRCB: Clean Water Grants
Education, Department of	SWRCB: Water Quality
Energy Commission	SWRCB: Water Rights
Fish & Game Region #	Tahoe Regional Planning Agency
Food & Agriculture, Department of	X Toxic Substances Control, Department of
Forestry and Fire Protection, Department of	Water Resources, Department of
General Services, Department of	
Health Services, Department of	Other:
Housing & Community Development	Other:
Native American Heritage Commission	
ocal Public Review Period (to be filled in by lead agen	
sear rubite review refield (to be fined in by fead agen	
tarting Date 11/5/2019	Ending Date 12/5/2019



Signature of Lead Agency Representative:

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

nd 10





# Attachment A to the NOC and Environmental Document Transmittal KART Transit Station Project

### Assessor's Parcel Numbers:

010-275-011-000	010-275-010-000	010-275-009-000	010-275-008-000
012-042-015-000	012-042-004-000	012-042-017-000	012-042-014-000
012-042-013-000	012-042-012-000	012-042-011-000	012-042-010-000
012-042-009-000			

### Schools within 2 miles of the Project Site

Lee Richmond Elementary School	Hanford West High School	Hanford High School
939 Katie Hammond Street	1150 W Lacey Boulevard	120 E Grangeville Boulevard
Hanford, CA 93230	Hanford, CA 93230	Hanford, CA 93230
Hamilton Elementary School	John F Kennedy Middle School	Hanford Adult School
1269 E Leland Way	1000 E Florinda Street	905 Campus Drive
Hanford, CA 93230	Hanford, CA 93230	Hanford, CA 93230
Roosevelt Elementary School 870 Davis Street Hanford, CA 93230	Community Day School 511 W Malone Street Hanford, CA 93230	

### KART Project Description:

The Kings County Area Public Transit Agency (KCAPTA) is processing a request to implement a series of discretionary actions that would allow for the development of the Kings Area Rural Transit (KART) project. The proposed project would include the demolition of existing structures and construction of a new transit station and commercial development. The approximately four-acre project site is located in the downtown area of the City of Hanford, CA and is located east of Harris Street, west of Brown Street, north of East 7<sup>th</sup> Street, and south of the alley located between 9<sup>th</sup> Street and 8<sup>th</sup> Street. The proposed project would consist of an approximately 19,000 square-foot transit station building, offsite parking, and onsite bus parking. The transit building includes 6,900 square feet on the first floor, 5,516 square feet on the second, and 6,557 square feet on the third floor, totaling approximately 19,000 square feet for the entire building. The proposed project also includes 21 sawtooth bus bays, 19 staff parking spaces, eight secure staff parking spaces, and 114 public parking spaces for transit users. Additionally, two electric bus chargers and two electric car chargers would be constructed onsite.



## ATTACHMENT F: STATE CLEARINGHOUSE – SUMMARY FORM NOVEMBER 5, 2019

**Print Form** Form F Summary Form for Electronic Document Submittal Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document. SCH #: Project Title: KART Transit Station Project Lead Agency: Kings County Area Public Transit Agency Contact Name: Angle Dow, Executive Director Email: angie.dow@co.kings.ca.us Phone Number: (559) 852-2691 Hanford **Kings County** Project Location:\_ Citv County Project Decription (Proposed actions, location, and/or consequences). The Kings County Area Public Transit Agency (KCAPTA) is processing a request to implement a series of discretionary actions that would allow for the development of the Kings Area Rural Transit (KART) project. The proposed project would include the demolition of existing structures and construction of a new transit station and commercial development. The approximately four-acre project site is located in the downtown area of the City of Hanford, CA and is located east of Harris Street, west of Brown Street, north of East 7th Street, and south of the alley located between 9th Street and 8th Street. The proposed project would consist of an approximately 19,000 square-foot transit station building, offsite parking, and onsite bus parking. The transit building includes 6,900 square feet on the first floor, 5,516 square feet on the second, and 6,557 square feet on the third floor, totaling approximately 19,000 square feet for the entire building. The proposed project also includes 21 sawtooth bus bays, 19 staff parking spaces, eight secure staff parking spaces, and 114 public parking spaces for transit users. Additionally, two electric bus chargers and two electric car chargers would be constructed onsite. Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect. The IS/MND concludes that no significant unavoidable environmental effects would occur as a result of the proposed project. Potentially significant impacts related to the topics listed below would be mitigated to a less than significant level: Air Quality, Biological Resources, Cultural Resources, Geology & Soils, Hazards and Hazardous Materials, Noise, Transportation, Tribal Cultural Resources, and Mandatory Findings of Significance.

Revised September 2011



continued

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

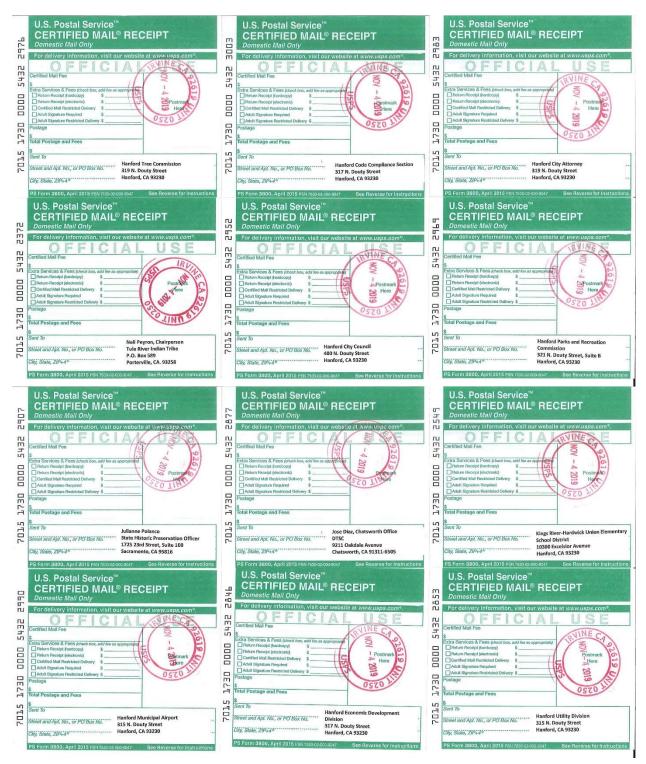
None.

Provide a list of the responsible or trustee agencies for the project.

None.

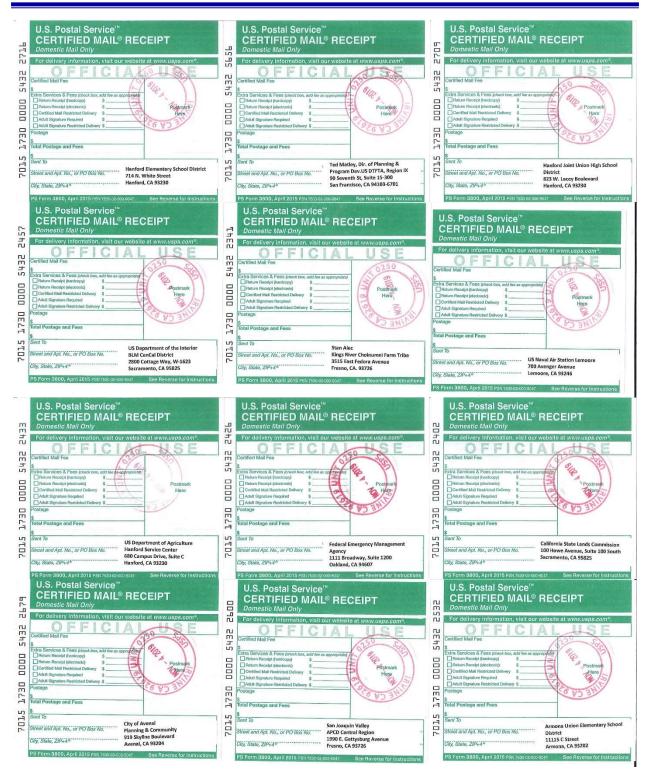


# ATTACHMENT G: CERTIFIED MAIL RECEIPTS - NOVEMBER 4, 2019



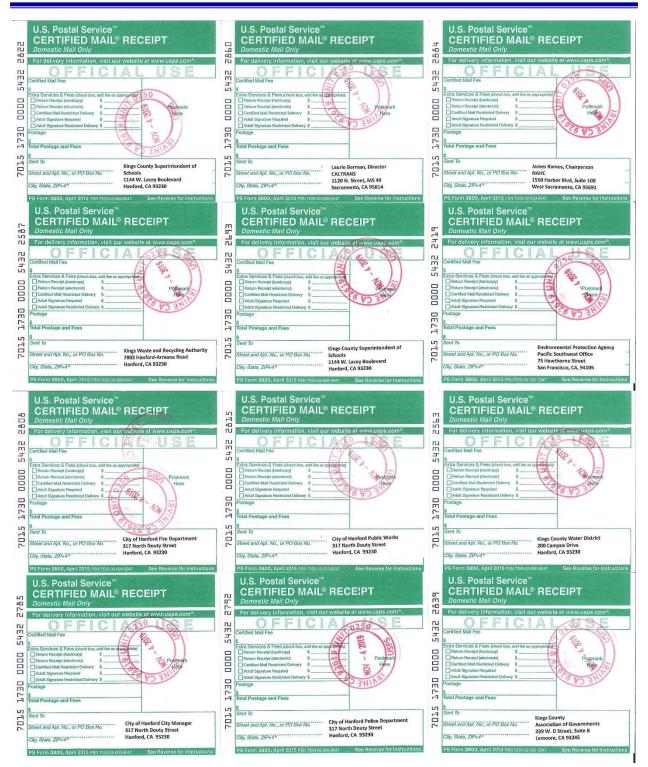


# ✤ Responses to Comments ◆



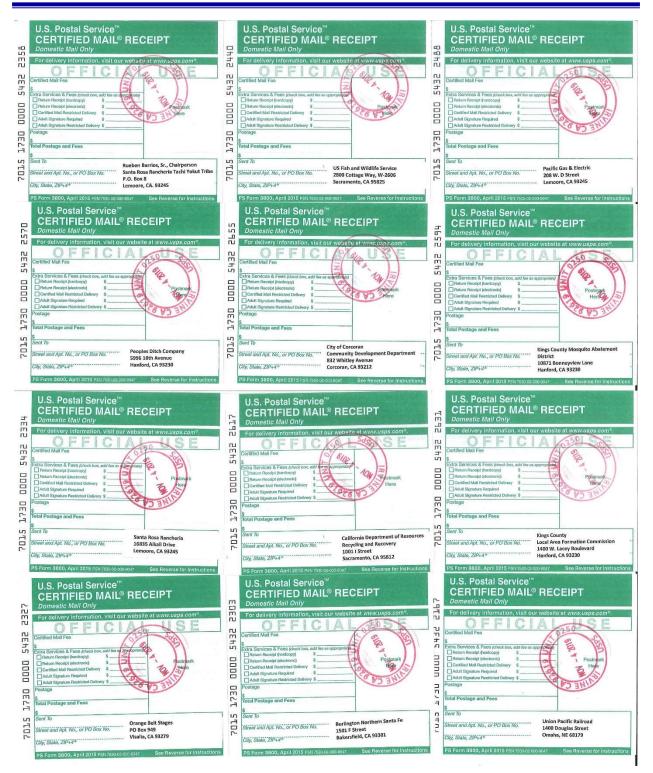


# Responses to Comments \*



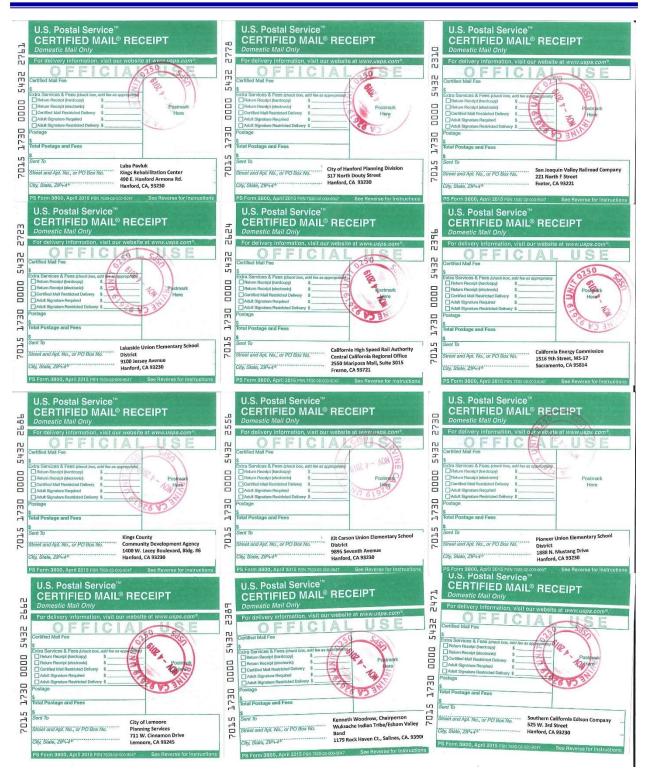


# ✤ Responses to Comments ◆





# Responses to Comments \*





Street

PS Form 3

Street and Apt. No., or PO Box No. Dity, State, 219+4\* Irene Moreno Kings Community Action Organ 1130 N. 11th Ave Hanford, CA 93230

See Reverse

# ✤ Responses to Comments ◆





## ATTACHMENT H: AB 52 TRIBAL CONSULTATION LETTER TO THE SANTA ROSA RANCHERIA TACHI YOKUT TRIBE



May 23, 2019

Santa Rosa Rancheria Tachi Yokut Tribe Leo Sisco, Chariman P.O. Box 8 Lemoore, CA 93245

RE: AB 52 and Section 106 Native American Consolation for the Kings County Area Public Transit Agency's Design and Construction of a Transit Station and Administrative/Retail Offices.

Dear Chairperson Sisco,

UltraSystems Environmental, Inc. (UEI) has been contracted by the Kings County Area Public Transit Agency (KCAPTA) to conduct a cultural resources inventory in support of KCAPTA's Transit Station Project in the City of Hanford's Downtown Area. The Project will consist of demolition of existing buildings and the construction and operations of a new Transit Station and Administrative/Retail Offices. UltraSystems will be conducting a cultural resources study to evaluate the potential presence of prehistoric and historic resources within the Project boundary.

The Project will demo all existing buildings in the Project area and construct a Transit Station with Administrative/Retail Office. The Project area consists of approximately four (4) acres and is located along 7<sup>th</sup> and 8<sup>th</sup> Street from Harris Street to Brown Street within the Downtown Area of Hanford, California. The Project is specifically located on the Hanford, Calif, USGS 7.5' topographic quadrangle, Range 21E, Township 18 S, in the SW ¼ of the SE ¼ of Section 25, and in the NW ¼ of the NE ¼ of Section 36. This is shown on the attached map and Project area is depicted with a one-half mile buffer zone.

Please consider this letter and preliminary project information as the initiation of AB 52 and Section 106 consultation pursuant to the National Historic Preservation Act.

Kings County Area Public Transit Agency is interested in receiving input from your community regarding any concern related to the proposed project. If you know of any cultural resources that may be of religious or cultural significance to your community, or if you would like more information, please contact me at (559) 852—2691, or at the above address, or by email at <u>angie.dow@co.kings.ca.us</u>.

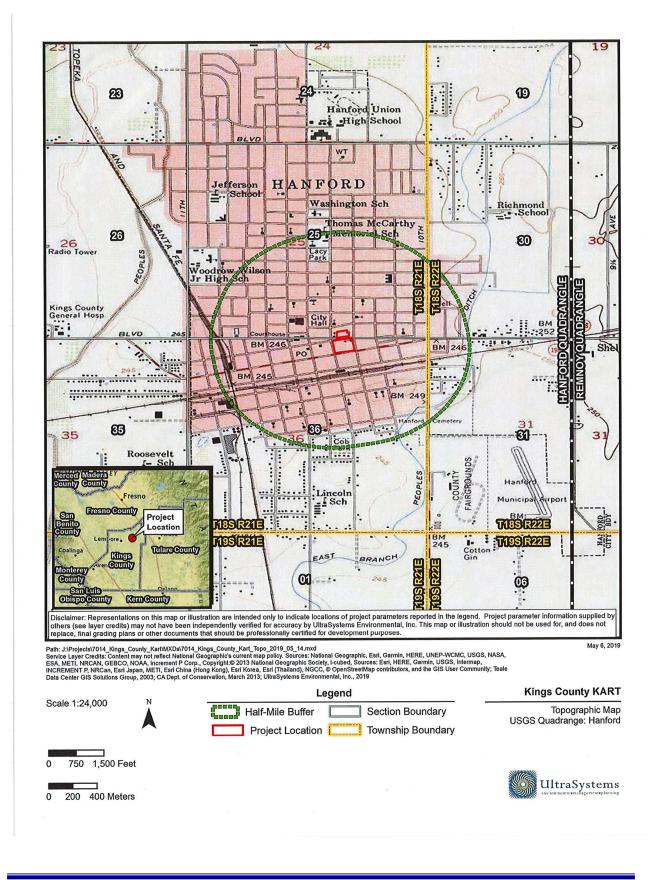
Respectfully,

Angie Dow

Executive Director Kings County Area Public Transit Agency

Enclosure







# ATTACHMENT I: PUBLIC COMMENT LETTERS Comment Letter 1- Federal Emergency Management Agency (FEMA)

a la companya da companya d	
Letter 1 Letter 1 U.S. Department of Homeland Secure FEMA Region 1X 1111 Broadway, Suite 1200 Oakland, CA. 94607-4052	
November 12, 2019	
Angie Dow, Executive Director Kings County Area Public Transit Agency (KCAPTA) 610 West 17th Street Hanford, California 93230	
Dear Ms. Dow:	
This is in response to your request for comments regarding the Notice of Intent to Adopt a Mitigated Negative Declaration for project known as KART Transit Station.	I 1-1
Please review the current effective Flood Insurance Rate Maps (FIRMs) for the County of Kin (Community Number 060086), Maps revised September 16, 2015. Please note that the County of Kings, California is a participant in the National Flood Insurance Program (NFIP). The minimum, basic NFIP floodplain management building requirements are described in Vol. 44 Code of Federal Regulations (44 CFR), Sections 59 through 65.	
A summary of these NFIP floodplain management building requirements are as follows:	
• All buildings constructed within a riverine floodplain, (i.e., Flood Zones A, AO, AH, A and A1 through A30 as delineated on the FIRM), must be elevated so that the lowest floor is at or above the Base Flood Elevation level in accordance with the effective Flo Insurance Rate Map.	1-3
• If the area of construction is located within a Regulatory Floodway as delineated on the FIRM, any <i>development</i> must not increase base flood elevation levels. The term <i>development</i> means any man-made change to improved or unimproved real estate including but not limited to buildings, other structures, mining, dredging, filling, grading, paving, excavation or drilling operations, and storage of equipment or materials. A hydrologic and hydraulic analysis must be performed <i>prior</i> to the start o development, and must demonstrate that the development would not cause any rise in base flood levels. No rise is permitted within regulatory floodways.	
www.fem	a.gov

1-5

1-6

1-7



Angie Dow, Executive Director Page 2 November 12, 2019

> Upon completion of any development that changes existing Special Flood Hazard Areas, the NFIP directs all participating communities to submit the appropriate hydrologic and hydraulic data to FEMA for a FIRM revision. In accordance with 44 CFR, Section 65.3, as soon as practicable, but not later than six months after such data becomes available, a community shall notify FEMA of the changes by submitting technical data for a flood map revision. To obtain copies of FEMA's Flood Map Revision Application Packages, please refer to the FEMA website at <a href="http://www.fema.gov/business/nfip/forms.shtm">http://www.fema.gov/business/nfip/forms.shtm</a>.

#### **Please Note:**

Many NFIP participating communities have adopted floodplain management building requirements which are more restrictive than the minimum federal standards described in 44 CFR. Please contact the local community's floodplain manager for more information on local floodplain management building requirements. The Kings County floodplain manager can be reached by calling William Zumwalt, Director, at (559) 852-3211.

If you have any questions or concerns, please do not hesitate to call Patricia Rippe, Senior Floodplain Manager Specialist, of the Mitigation staff at (510) 627-7015.

Sincerely

Gregor Blackburn, CFM, Branch Chief Floodplain Management and Insurance Branch

cc:

William Zumwalt, Director, Kings County State of California, Department of Water Resources, South Central Region Office Patricia Rippe, Senior Floodplain Manager Specialist, DHS/FEMA Region IX Alessandro Amaglio, Environmental Officer, DHS/FEMA Region IX

www.fema.gov



# Comment Letter 2- San Joaquin Valley Air Pollution Control District



Letter 2



December 5, 2019

Angie Dow Kings County Area Public Transit Agency 610 West 7<sup>th</sup> Street Hanford, CA 92320

#### Project: Initial Study, Mitigated Negative Declaration (IS/MND) for the KART Transit Station Project, SCH # 2019119008

#### District CEQA Reference No: 20191295

#### Dear Ms. Dow:

The San Joaquin Valley Unified Air Pollution Control District (District) has reviewed the above referenced project that includes the demolition of existing structures and the construction of a new transit station and commercial development (Project). The approximately 19,000 square foot three-story KART transit station building includes a 6,900 square foot first floor, a 5,516 square foot second floor, and a 6,557 square foot third floor. The project also includes 21 bus bays, 28 staff parking spaces and 114 public parking spaces for transit users. Additionally two electric bus charges and two electric car charges would be constructed onsite. The approximately four-acre project site is bounded by East 7th Street to the south, North Harris Street to the west, North Brown Street to the east, and the alley between East 8th Street and East 9th Street on the north. (APNs: 010-275-008, 010-275-011, 010-275-010, 010-275-009, 012-042-015, 012-042-004, 012-042-017, 012-042-014, 012-042-013, 012-042-012, 012-042-011, 012-042-010, and 012-042-009).

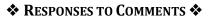
A Phase I Environmental Site Assessment (ESA) was conducted for the proposed project site at 200-232 East 7th Street, 214-289 East 8th Street, and 225 North Harris Street in Hanford. The ESA identified recognized environmental conditions (RECs) for the proposed project site: (1) the potential exists that a release of hydraulic fluid which may have contained PCBs has occurred onsite, (2) two underground storage tanks (USTs), described as either 30- or 100-gallon gasoline and waste oil USTs, were closed in place and unknown if a release occurred from the USTs, (3) suspected former gasoline station and unknown disposition of fueling system and no information available regarding removal of USTs, and (4) based on years of construction (1903-1968) asbestos containing material may be present.

		Sheikh Pollution Control Officer		
Northern Region 4800 Enterprise Way		on (Main Office)	Southern Region	_
Modesto, CA 95356-8718		tysburg Avenue 93726-0244	34946 Flyaver Court Bakersfield, CA 93308-9725	
Tel: (209) 557-6400 FAX: (209) 557-6475		FAX: (559) 230-6061	Tel: 661-392-5500 FAX: 661-392-5585	
	www.valleyair.org	www.healthyairliving.com		Printed on recycled pa

7014/KART Project Responses to Comments Page 39 December 2019

2-1

2-2





District CEQA Reference No: 20191295

Page 2 of 5

The District offers the following comments:

 The IS/MND submitted to the District does not provide sufficient information to allow the District to assess the Project's potential impact on air quality. The District recommends that a more detailed review of the demolition and construction emissions be conducted.

The District recommends that the Project's emissions include the following: off-road equipment used on-site, on-site truck travel, on-site truck idling, vehicle miles traveled (VMT) by haul trucks to export/dispose of demolition debris, haul trucks to export/dispose of contaminated soil, haul trucks to import clean backfill soil, and haul trucks to dispose of construction debris), and proximity to surrounding receptors (on-site and off-site) and existing emission sources.

- 2) For reference, the District's annual criteria thresholds of significance for construction are: 100 tons per year of carbon monoxide (CO), 10 tons per year of oxides of nitrogen (NOx), 10 tons per year of reactive organic gases (ROG), 27 tons per year of oxides of sulfur (SOx), 15 tons per year of particulate matter of 10 microns or less in size (PM10), or 15 tons per year of particulate matter of 2.5 microns or less in size (PM2.5).
  - Recommended Measure: To reduce impacts from construction related exhaust emissions, the District recommends the cleanest reasonably available off-road construction fleets, as set forth in §2423 of Title 13 of the California Code of Regulations, and Part 89 of Title 40 Code of Federal Regulations.
- 3) Operational Emissions: Permitted (stationary sources) and non-permitted (mobile sources) sources should be analyzed separately. For reference, the annual criteria thresholds of significance for operation of permitted and non-permitted sources each are: 100 tons per year of carbon monoxide (CO), 10 tons per year of oxides of nitrogen (NOx), 10 tons per year of reactive organic gases (ROG), 27 tons per year of oxides of sulfur (SOx), 15 tons per year of particulate matter of 10 microns or less in size (PM10), or 15 tons per year of particulate matter of 2.5 microns or less in size (PM2.5).
  - Recommended Measure: Project related impacts on air quality can be reduced through incorporation of design elements, for example, that increase energy efficiency, reduce vehicle miles traveled, and reduce operational related emissions.

2-3

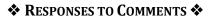
2-4

2-5

2-8

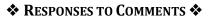


Distr	ict CE	QA Refe	erence No: 20191295 Page 3 of 5	
4)	(HR impa also	A). Th acts to constr	<b>Assessment</b> : The IS/MND did not include a Health Risk Assessment e District recommends the Project be evaluated for potential health surrounding receptors (on-site and off-site) resulting from operational but ruction toxic air contaminant (TAC) emissions. The District recommends of or construction emissions and operational emissions be prepared.	2-9 ] 2-10
	•	in an of det	evaluating sample results to determine which pollutants will be included HRA, the District requires that all pollutants found to be above the level tection be included. The District does not use any screening level when ng this determination.	2-11
	•		ne IS/MND, demolition/construction debris (asphalt, concrete and rubble) e transported for disposal. The analysis should also consider the following:	2-12
		0	Off-road equipment used on-site, on-site truck travel, and on-site truck idling.	2-13
		0	The NESHAP requires that asbestos-containing waste material be disposed of only at approved sites, i.e. a Class 1 land disposal facility.	2-14
		0	The IS/MND does not provide either the cubic yards of construction debris nor the approximate truckloads to be exported/disposed/imported related to the hazardous 'waste' material (contaminated soil) and the imported clean backfill soil.	2-15
	•	files u electr	h Risk Assessment (HRA) modeling – The District requires that all input used to conduct the Health Risk Assessment (HRA) be submitted in onic format. Providing electronic input files to the District for modeling ates the District's review of the HRA in a timely manner.	2-16
		0	Provide all modeling and risk calculation files utilized to perform the analysis in electronic format. The files should be clearly labeled. Clearly identify how toxic emissions are calculated; along with modeling parameters used and reference data supporting the modeled parameters.	2-17
		0	The District uses a 15 minute idling time assumption unless measures to ensure that trucks will idle for only 5 minutes are included as mitigation measures in the MND.	2-18





Page 4 of 5 District CEQA Reference No: 20191295 o All project specific assumptions used in modeling that have the effect of reducing or mitigating project related impacts must be fully enforceable 2 - 19through permit conditions, agreements, or other legally binding instruments (CEQA Guidelines §15126.4, subd.(a)(2)). 5) The Project includes the demolition of seven existing structures. As such, the project is subject to District Rule 4002. The Asbestos Program covers most renovations and all demolition projects in the San Joaquin Valley air basin. Elements of the Program 2 - 20include Survey and Notification Requirements prior to beginning a project. If you have any questions concerning asbestos related requirements, please contact the District's Compliance Division at (559) 230-6000. The District's Asbestos Requirements Bulletin can be found online at 2-21 http://www.valleyair.org/busind/comply/asbestos-0514.htm. 6) District Rule 9510 is intended to mitigate a project's impact on air quality through project design elements or by payment of applicable off-site mitigation fees. The 2-22 Project would be subject to District Rule 9510 if it exceeds 2 tons of emissions. When subject to the rule, an Air Impact Assessment (AIA) application is required prior to applying for project level approval from a public agency. The District recommends that demonstration of compliance with District Rule 9510, before issuance of the first building permit, be made a condition of Project 2-23 approval. Information about how to comply with District Rule 9510 can be found online at: http://www.valleyair.org/ISR/ISRHome.htm. The AIA application form can be found online at: http://www.valleyair.org/ISR/ISRFormsAndApplications.htm. 7) Regulation VIII (Fugitive PM10 Prohibitions) - The Project will be subject to Regulation VIII. The project proponent is required to submit a Construction Notification Form or submit and receive approval of a Dust Control Plan prior to commencing any earthmoving activities as described in District Rule 8021 - Construction, Demolition, 2 - 24Excavation, Extraction, and Other Earthmoving Activities. Information on how to comply Regulation can with VIII be found online at: www.valleyair.org/busind/comply/PM10/compliance PM10.htm 8) Regulation VIII - the District has determined that compliance with Regulation VIII will constitute sufficient mitigation to reduce fugitive dust related PM10 impacts from 2-25 construction to a level considered less than significant. However, compliance with Regulation VIII does not mitigate the PM10 impact from equipment exhaust.



ON THE OFFICE

District CEQA Reference No: 20191295

Page 5 of 5

2-26

2-27

9) Other District Rules and Regulations – The above list of rules is neither exhaustive nor exclusive. For example, the Project may be subject to the following District rules, including: Rule 4102 (Nuisance), Rule 4601 (Architectural Coatings), and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations). To identify other District rules or regulations that apply to this Project or to obtain information on the District's permit requirements, such as an Authority to Construct (ATC), the Project proponent is strongly encouraged to contact the District's Small Business Assistance Office at (559) 230-5888 or e-mail sba@valleyair.org. Current District rules can be found online at the District's website at: www.valleyair.org/rules/1ruleslist.htm.

If you have any questions or require further information, please call Georgia Stewart at (559) 230-5937 or e-mail Georgia.Stewart@valleyair.org. When calling or emailing the District, please reference District CEQA number 20191295.

Sincerely,

Arnaud Marjollet Director of Permit Services

Robert Gillis
 Program Manager

AM: gs



# Comment Letter 3-California Department of Transportation (Caltrans)

#### Letter 3

From: Lau, Scott@DOT <<u>Scott.Lau@dot.ca.gov</u>> Sent: Thursday, December 5, 2019 3:53 PM To: Dow, Angie <<u>Angie.Dow@co.kings.ca.us</u>>; State Clearing House (SCH) - State Clearing House (<u>state.clearinghouse@opr.ca.gov</u>) <<u>state.clearinghouse@opr.ca.gov</u>> Cc: Mendibles, Lorena@DOT <<u>lorena.mendibles@dot.ca.gov</u>> Subject: SCH #2019119008 - KART Transit Station

Good afternoon Angie,

I have reviewed the KART Transit Station and have no comments.

3-1

Thank you,



# Scott Lau

Associate Transportation Planner California Department of Transportation 1352 West Olive Avenue Fresno, CA 93778 (559) 445-5763

4-1

4-2

4-3

4-4



### **Comment Letter 4- Bonnie and Harlow Anderson**

Letter 4

Dear Executive Director – KCAPTAgency

In approximately 1997, a man named Pete who was a supervisor with Drug and Alcohol counseling with Kings View incorporated made contact with Harlan E Anderson, the Real Estate broker at Realty World in Hanford. Pete let it be known that they were getting drastically crowded in their facility at the Southeast corner of Bailey and Cousins Drive and they were seeking to Move their Outpatient Drug and Alcohol counseling and monitoring to new quarters. Right at that time, the new DMV building on the corner of Hanford/Armona Road and 12<sup>th</sup> Avenue was completed which freed up the old Site at Brown and 8<sup>th</sup> Avenue. With several modifications to the floor plan, this facility was virtually ideal for Kings Views needs. This location was also ideal because it housed approximately 30-40 off street parking spots. Floor plan modifications included 6 or 8 individual offices as well as 3-4 various sized group counseling rooms. Most of the clients served by this facility are there due to Drug and Alcohol intervention and were there due to Court Order.

The exact location was also very ideal in that older and smaller residential properties led to no complaints from neighboring property owners or occupants re. behaviors of Kings View clientele.

In approximately 2000, an employee of Kings View set fire to the building because he was just about to get caught for embezzling cash from Kings View. Bottom line is that this fire caused well over \$300,000 in damage, but also led to the ability to make some desired changes to the floor plan as well as a new roof.

At least as it pertains to this issue, it is my opinion that the current Kings View facility represents the "Highest and Best" use of this property. Replacing the Kings View facility with a bus barn/yard is at best a lateral move in improving the downtown of Hanford.

**Respectfully** Submitted

Bonnie & Cinde

Owner 289 F. 8th

325 W. Ivy St. Nanford, Ct 93230 559.250.8548

Harlow & Anderson Orouer 289 E. 8th

.....

559,250.8549



### Comment Letter 5 (Received Late)-State of California Governor's Office of Planning and Research

#### Letter 5



Governor

STATE OF CALIFORNIA Governor's Office of Planning and Research State Clearinghouse and Planning Unit



RECEIVED DEC 0'9 2019

December 4, 2019

Angie Dow Kings County 610 W. 7th Street Hanford, CA 93230

Subject: KART Transit Station Project SCH#: 2019119008

Dear Angie Dow:

The State Clearinghouse submitted the above named MND to selected state agencies for review. The review period closed on 12/3/2019, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act, please visit: https://ceqanet.opr.ca.gov/2019119008/2 for full details about your project.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Scott Morgan

Scott Morgan Director, State Clearinghouse

> an tingt an Thursday

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044 TEL 1-916-445-0613 state.clearinghouse@opr.ca.gov www.opr.ca.gov 5-1



# 3.0 ERRATA REVISIONS, CLARIFICATIONS, AND CORRECTIONS TO THE IS/MND

This section of the Responses to Comments document provides changes to the IS/MND that have been made to revise, clarify, or correct the environmental analysis for the KART Transit Station Project (the Project). Changes in this section are a result of comments received in response to the IS/MND as well as general corrections, revisions, and additions. The changes detailed in this section do not result in the Project creating any new or increased significant environmental impacts.

This section contains the following sub-sections: Section 31, General Corrections and Revisions to the Draft EIR; Section 3.2, Corrections and Additions to Draft EIR Sections and Appendices; and Section 3.3, Effect of Corrections and Revisions.

# 3.1 General Corrections and Revisions to the IS/MND

## **Original Air Emissions Modeling Data**

Attachment 1 (CalEEMod output file) of Appendix D (Air Quality/Greenhouse Gas Technical Report for the KART Transit Station) of the IS/MND was inadvertently omitted. Please refer to **Attachment J** of this Responses to Comments document for a copy of the original CalEEMod output file.

## Supplemental Air Emissions Modeling Data

In response to the comment letter submitted by the San Joaquin Valley Air Pollution Control District (SJVAPCD), supplemental air emissions modeling has been conducted for both air quality and greenhouse gas emissions and is appended to this Response to Comments document. Please note that the results of the supplemental air emissions modeling do not change the significance of the findings in the IS/MND for the KART Transit Station Project. Refer to **Attachment K** of this IS/MND for the supplemental air emissions modeling data.

# 3.2 Corrections and Additions to IS/MND Sections and Appendices

Changes have been made to the IS/MND as a result of comments received. Deletions are shown in strikethrough text and additions are shown in <u>underlined</u> text. Changes are provided below and are organized by IS/MND section.

- 1. IS/MND Section 4.3, Table 4.3-4: In column 5 of the table heading, change "SO<sub>2</sub>" to "SO<sub>x</sub>."
- 2. IS/MND Section 4.3, Table 4.3-5: In column 5 of the table heading, change "SO<sub>2</sub>" to "SO<sub>x</sub>."
- 3. IS/MND Section 4.3.6, the last sentence on p. 4.3-16 is revised as follows:

<u>In keeping with Project Design Feature PDF-AQ-1, Tthey also</u> assume that Tier 4 engines will be required for demolition and construction equipment, wherever <del>commercially <u>reasonably</u></del> available.

4. Insert the following new paragraphs in IS/MND Section 4.3.6, response to checklist question c), after the second existing paragraph:

<u>A formal toxic air contaminant (TAC) health risk assessment was not included in the analysis</u> for either construction or operation. While use of diesel-fueled construction equipment



would result in emissions of carcinogenic diesel particulate matter (DPM), and public exposure thereto, most HRA protocols require analysis of 70 years (sometimes 30 years) of continuous exposure to the toxic air contaminations. Construction of the new KART facility will take about one year. The one-year dose averaged over 70 years would be too small to result in a significant cancer risk. In addition, no acute (short-term) concentration limits have been established for DPM.

In the operational phase, the chief potential health risk would occur to sensitive receptors near the KART facility, since all buses in the system will arrive at and depart from that location. The number of bus operations on routes in the city of Hanford are expected to double, and the number of other operations is expected to remain the same as now. The buses currently operate on renewable natural gas (RNG), which has approximately the same TAC emissions as fossil fuel natural gas. The main TACs in natural gas combustion in buses are formaldehyde and acetaldehyde. The unit risk factors (cancer risk per microgram per cubic meter exposure) of these compounds is less than about two percent of the unit risk factor for DPM.

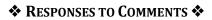
More importantly, in response to ARB regulations, KCAPTA is replacing its RNG-powered buses with electric buses. In 12 years, the entire fleet is expected to be electric. Therefore, for at least 82% of the 70-year exposure year to be analyzed, local exposures to HAPs from bus exhaust would essentially be zero. In light of these considerations an HRA was not warranted.

5. Insert the following new paragraph immediately after Table 4.3-5 in Section 4.3 of the IS.MND:

A supplemental emissions analysis was performed to take into account the likelihood that demolition debris containing asbestos will be transported to the Kettleman Hills Hazardous Waste Facility, about 40 miles from the project site, instead of the 20 miles assumed in the above analysis. All other emissions generated from demolition have already been accounted for. The extra vehicle miles traveled would result in annual emission increases over the estimates in **Table 4.3-5** by from 0.14% (for CO) to 1.4% (for PM<sub>10</sub>). None of the increases would result in a change in the conclusion that the impacts of emission would be less than significant.

6. Insert the following paragraph between Table 4.8-3 and Table 4.8-4 in Section 4.8 of the IS/MND:

A supplemental emissions analysis was performed to take into account the likelihood that demolition debris containing asbestos will be transported to the Kettleman Hills Hazardous Waste Facility, about 40 miles from the project site, instead of the 20 miles assumed in the above analysis. All other emissions generated from demolition have already been accounted for. The extra vehicle miles traveled would result in an increase of 4.00 metric tons of CO<sub>2</sub> equivalent during construction. The 30-year amortized amount of the emissions would be 0.13 metric tonne. These amounts would not change the conclusions that impacts of construction emissions and annual operating emissions of GHG would be less than significant.





# 3.3 Effect of Corrections and Revisions

CEQA Guidelines Section15073.5, Recirculation of a Negative Declaration Prior to Adoption, requires that an IS/MND which has been made available for public review, but not yet certified, be recirculated when significant new information is added to the IS/MND.

The relevant portions of CEQA Guidelines Section 15073.5 are as follows:

- (a) A lead agency is required to recirculate a negative declaration when the document must be substantially revised after public notice of its availability has previously been given pursuant to Section 15072, but prior to its adoption. Notice of recirculation shall comply with Sections 15072 and 15073.
- (b) A "substantial revision" of the negative declaration shall mean:

(1) A new, avoidable significant effect is identified and mitigation measures or project revisions must be added in order to reduce the effect to insignificance, or

(2) The lead agency determines that the proposed mitigation measures or project revisions will not reduce potential effects to less than significance and new measures or revisions must be required.

(c) Recirculation is not required under the following circumstances:

(1) Mitigation measures are replaced with equal or more effective measures pursuant to Section 15074.1.

(2) New project revisions are added in response to written or verbal comments on the project's effects identified in the proposed negative declaration which are not new avoidable significant effects.

(3) Measures or conditions of project approval are added after circulation of the negative declaration which are not required by CEQA, which do not create new significant environmental effects and are not necessary to mitigate an avoidable significant effect.

(4) New information is added to the negative declaration which merely clarifies, amplifies, or makes insignificant modifications to the negative declaration.

The information contained in this document clarifies and/or refines information in the IS/MND but does not make alterations or changes that would constitute significant new information.

Based on the information provided above, the revisions, clarifications, and corrections to the IS/MND do not result in any new significant impacts or a substantial increase in already identified impacts in the IS/MND or disclose a feasible alternative or mitigation measure the Project Applicant has declined to adopt. The revisions to the IS/MND clarify and/or refine the information in the IS/MND Therefore, none of the conditions in Section 15073.5 of the CEQA Guidelines are met and recirculation of the IS/MND is not required.



# ATTACHMENT J – ORIGINAL CALEEMOD OUTPUT FILE

CalEEMod Version: CalEEMod.2016.3.2

Page 1 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

KART Transit Station Kings County, Annual

#### **1.0 Project Characteristics**

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6.56	1000sqft	0.15	6,557.00	0
Government Office Building	5.52	1000sqft	0.13	5,516.00	0
User Defined Retail	300.00	User Defined Unit	3.60	6,900.00	0

#### **1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	37
Climate Zone	3			Operational Year	2023
Utility Company	Southern California Ediso	n			
CO2 Intensity (Ib/MWhr)	702.44	CH4 Intensity (Ib/MWhr)	0.029	N2O Intensity (Ib/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data



CalEEMod Version: CalEEMod.2016.3.2	Page 2 of 34	Date: 8/31/2019 5:53 AM
	KART Transit Station - Kings County, Annual	
Project Characteristics - Energy from both PG&E and SC	E, with SCE the primary provider	
Land Use - Use defined information for transit station (rail	I) from San Diego Trip Generation Manual	
Construction Phase - Schedule adjusted to reflect client's	s wishes	
Off-road Equipment -		
Demolition -		
Vehicle Trips - User defined is transit land use with acres	as size metric	
Energy Use -		
Water And Wastewater - Used data in CalEEMod User's	Guide Appendix D for a general office building to	o represent transit station.
Solid Waste - Used data in CalEEMod User's Guide Appe	endix D for a general office building to represent	transit station.
Construction Off-road Equipment Mitigation - Larger equip	pment will be Tier 4	
Mobile Land Use Mitigation -		
Mobile Commute Mitigation -		
Energy Mitigation -		
Water Mitigation -		



CalEEMod Version: CalEEMod	1.2016.3.2	Page 3 of 34	Date: 8/31,
	KART Tra	nsit Station - Kings County, Annu	al
Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	18.00	14.00
tblConstructionPhase	NumDays	230.00	219.00
tblConstructionPhase	NumDays	18.00	14.00
tblLandUse	LandUseSquareFeet	6,560.00	6,557.00
tblLandUse	LandUseSquareFeet	5,520.00	5,516.00
tblLandUse	LandUseSquareFeet	0.00	6,900.00
tblLandUse	LotAcreage	0.00	3.60
tblSolidWaste	SolidWasteGenerationRate	0.00	1.75
tblVehicleTrips	WD_TR	0.00	300.00
tblWater	IndoorWaterUseRate	0.00	333,830.82
tblWater	OutdoorWaterUseRate	0.00	204,606.47

1/2019 5:53 AM

## 2.0 Emissions Summary



Page 4 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
2021	0.1527	1.4564	1.2162	2.1400e- 003	0.0919	0.0753	0.1672	0.0422	0.0704	0.1126	0.0000	186.0063	186.0063	0.0457	0.0000	187.1480
2022	0.2407	0.9937	1.0555	1.7900e- 003	5.1000e- 003	0.0506	0.0557	1.3800e- 003	0.0476	0.0489	0.0000	154.2436	154.2436	0.0362	0.0000	155.1494
Maximum	0.2407	1.4564	1.2162	2.1400e- 003	0.0919	0.0753	0.1672	0.0422	0.0704	0.1126	0.0000	186.0063	186.0063	0.0457	0.0000	187.1480

#### Mitigated Construction

	ROG	NOx	со	\$O2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Tota	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year					ton	is/yr					MT/yr						
2021	0.0938	0.7868	1.2447	2.1400e- 003	0.0399	0.0387	0.0787	0.0176	0.0369	0.0545	0.0000	186.0061	186.0061	0.0457	0.0000	187.1478	
2022	0.2207	0.7551	1.0719	1.7900e- 003	5.1000e- 003	0.0372	0.0423	1.3800e- 003	0.0353	0.0367	0.0000	154.2435	154.2435	0.0362	0.0000	155.1493	
Maximum	0.2207	0.7868	1.2447	2.1400e- 003	0.0399	0.0387	0.0787	0.0176	0.0369	0.0545	0.0000	186.0061	186.0061	0.0457	0.0000	187.1478	
	ROG	NOx	со	\$O2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e	
Percent Reduction	20.08	37.07	-1.98	0.00	53.59	39.69	45.74	56.53	38.80	43.58	0.00	0.00	0.00	0.00	0.00	0.00	



Page 5 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	0.9574	0.3884
2	10-1-2021	12-31-2021	0.6480	0.4858
3	1-1-2022	3-31-2022	0.5685	0.4303
4	4-1-2022	6-30-2022	0.6609	0.5383
		Highest	0.9574	0.5383

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	со	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	0.0876	3.0000e- 005	2.8700e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005	0.0000	5.5800e- 003	5.5800e- 003	1.0000e- 005	0.0000	5.9400e- 003		
Energy	8.5000e- 004	7.7200e- 003	6.4900e- 003	5.0000e- 005		5.9000e- 004	5.9000e- 004		5.9000e- 004	5.9000e- 004	0.0000	43.4897	43.4897	1.6100e- 003	4.5000e- 004	43.6651		
Mobile	0.0876	1.1229	0.7664	4.5900e- 003	0.2300	2.2900e- 003	0.2323	0.0618	2.1500e- 003	0.0640	0.0000	429.4445	429.4445	0.0416	0.0000	430.4841		
Waste						0.0000	0.0000		0.0000	0.0000	2.6348	0.0000	2.6348	0.1557	0.0000	6.5277		
Water						0.0000	0.0000		0.0000	0.0000	0.8237	6.2509	7.0746	0.0849	2.0500e- 003	9.8073		
Total	0.1760	1.1306	0.7758	4.6400e- 003	0.2300	2.8900e- 003	0.2329	0.0618	2.7500e- 003	0.0646	3.4585	479.1906	482.6491	0.2838	2.5000e- 003	490.4902		



Page 6 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

# 2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	\$O2	Fugitive PM10	Exhausi PM10	PM10 Total	Fugitive PM2.5		aust 12.5	PM2.5 Total	Bio- CO	02 NBio	- CO2	Total CO2	СН	4	N2O	CO2e		
Category					te	ons/yr						MT/yr									
Area	0.0876	3.0000e- 005	2.8700e- 003	0.0000		1.0000e 005	- 1.0000e- 005		1.00 00		1.0000e- 005	0.000		300e- 03	5.5800e- 003	1.000 00		.0000	5.9400e- 003		
Energy	8.5000e- 004	7.7200e- 003	6.4900e- 003	5.0000e- 005		5.9000e 004	- 5.9000e- 004		5.90 00		5.9000e- 004	0.000	38.	8638	38.8638	1.420 003		1000e- 004	39.0227		
Mobile	0.0879	1.1265	0.7731	4.6400e- 003	0.2330	2.3200e 003	0.2353	0.0626		00e- 03	0.0648	0.000	433	.3836	433.3836	0.04	17 0	.0000	434.4252		
Waste						0.0000	0.0000		0.0	000	0.0000	2.634	3 0.0	0000	2.6348	0.15	57 0	.0000	6.5277		
Water						0.0000	0.0000		0.0	000	0.0000	0.695	2 5.4	443	6.1396	0.07		7300e- 003	8.4466		
Total	0.1763	1.1343	0.7825	4.6900e- 003	0.2330	2.9200e 003	- 0.2359	0.0626	6 2.78 00		0.0654	3.330	<b>477</b> .	.6973	481.0274	0.27		1400e- 003	488.4281		
	ROG	N	Ox (	co s					ugitive PM2.5		aust PM2 12.5 Tot		io- CO2	NBio-C	CO2 Total	CO2	CH4	N	20 CC		
Percent Reduction	-0.20	-0	.32 -0	.86 -	1.08	1.29	-1.04 -	1.29	-1.28	-1.	.09 -1.:	27	3.72	0.31	I 0.1	34	4.70	14.	40 0.4		

#### 3.0 Construction Detail

**Construction Phase** 



CalEE	Mod Version: CalEEMod.201	16.3.2	Pa	ge 7 of 34			Date: 8/31/2019 5:	53 AN
		KAF	RT Transit Stat	ion - Kings Cou	unty, Annua	al		
Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description	
1	Demolition	Demolition	7/1/2021	7/28/2021	5	20		
2	Site Preparation	Site Preparation	7/22/2021	7/28/2021	5	5		
3	Grading	Grading	7/29/2021	8/9/2021	5	8		
4	Building Construction	Building Construction	8/10/2021	6/12/2022	5	219		
5	Paving	Paving	6/13/2022	6/30/2022	5	14		
6	Architectural Coating	Architectural Coating	6/13/2022	6/30/2022	5	14		

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 28,460; Non-Residential Outdoor: 9,487; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment



Page 8 of 34

Date: 8/31/2019 5:53 AM

#### KART Transit Station - Kings County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT



Page 9 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

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
Demolition	6	15.00	0.00	128.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	6.00	3.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

#### 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021

	ROG	NOx	со	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					ton	s/yr							Π	/yr		
Fugitive Dust					0.0139	0.0000	0.0139	2.1000e- 003	0.0000	2.1000e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e- 004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e- 003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e- 004	0.0139	0.0155	0.0294	2.1000e- 003	0.0144	0.0165	0.0000	34.0008	34.0008	9.5700e- 003	0.0000	34.2400



Page 10 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	со	\$O2	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					ton	s/yr							MT	7/yr		
Hauling	4.9000e- 004	0.0164	2.3600e- 003	5.0000e- 005	1.1000e- 003	5.0000e- 005	1.1500e- 003	3.0000e- 004	5.0000e- 005	3.5000e- 004	0.0000	4.8137	4.8137	3.7000e- 004	0.0000	4.8231
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	6.1000e- 004	4.6000e- 004	4.3900e- 003	1.0000e- 005	1.2100e- 003	1.0000e- 005	1.2100e- 003	3.2000e- 004	1.0000e- 005	3.3000e- 004	0.0000	0.9913	0.9913	3.0000e- 005	0.0000	0.9921
Total	1.1000e- 003	0.0169	6.7500e- 003	6.0000e- 005	2.3100e- 003	6.0000e- 005	2.3600e- 003	6.2000e- 004	6.0000e- 005	6.8000e- 004	0.0000	5.8050	5.8050	4.0000e- 004	0.0000	5.8152

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					5.4100e- 003	0.0000	5.4100e- 003	8.2000e- 004	0.0000	8.2000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8500e- 003	0.0477	0.2310	3.9000e- 004		2.2600e- 003	2.2600e- 003		2.2600e- 003	2.2600e- 003	0.0000	34.0007	34.0007	9.5700e- 003	0.0000	34.2400
Total	7.8500e- 003	0.0477	0.2310	3.9000e- 004	5.4100e- 003	2.2600e- 003	7.6700e- 003	8.2000e- 004	2.2600e- 003	3.0800e- 003	0.0000	34.0007	34.0007	9.5700e- 003	0.0000	34.2400



Page 11 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.2 Demolition - 2021

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					ton	s/yr							МТ	7/yr		
Hauling	4.9000e- 004	0.0164	2.3600e- 003	5.0000e- 005	1.1000e- 003	5.0000e- 005	1.1500e- 003	3.0000e- 004	5.0000e- 005	3.5000e- 004	0.0000	4.8137	4.8137	3.7000e- 004	0.0000	4.8231
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	6.1000e- 004	4.6000e- 004	4.3900e- 003	1.0000e- 005	1.2100e- 003	1.0000e- 005	1.2100e- 003	3.2000e- 004	1.0000e- 005	3.3000e- 004	0.0000	0.9913	0.9913	3.0000e- 005	0.0000	0.9921
Total	1.1000e- 003	0.0169	6.7500e- 003	6.0000e- 005	2.3100e- 003	6.0000e- 005	2.3600e- 003	6.2000e- 004	6.0000e- 005	6.8000e- 004	0.0000	5.8050	5.8050	4.0000e- 004	0.0000	5.8152

3.3 Site Preparation - 2021

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e- 003	0.1012	0.0529	1.0000e- 004		5.1100e- 003	5.1100e- 003		4.7000e- 003	4.7000e- 003	0.0000	8.3589	8.3589	2.7000e- 003	0.0000	8.4265
Total	9.7200e- 003	0.1012	0.0529	1.0000e- 004	0.0452	5.1100e- 003	0.0503	0.0248	4.7000e- 003	0.0295	0.0000	8.3589	8.3589	2.7000e- 003	0.0000	8.4265



Page 12 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.3 Site Preparation - 2021

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					ton	s/yr							МТ	'/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	1.8000e- 004	1.4000e- 004	1.3200e- 003	0.0000	3.6000e- 004	0.0000	3.6000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2974	0.2974	1.0000e- 005	0.0000	0.2976
Total	1.8000e- 004	1.4000e- 004	1.3200e- 003	0.0000	3.6000e- 004	0.0000	3.6000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2974	0.2974	1.0000e- 005	0.0000	0.2976

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					0.0176	0.0000	0.0176	9.6800e- 003	0.0000	9.6800e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1600e- 003	5.0400e- 003	0.0522	1.0000e- 004		1.6000e- 004	1.6000e- 004		1.6000e- 004	1.6000e- 004	0.0000	8.3589	8.3589	2.7000e- 003	0.0000	8.4265
Total	1.1600e- 003	5.0400e- 003	0.0522	1.0000e- 004	0.0176	1.6000e- 004	0.0178	9.6800e- 003	1.6000e- 004	9.8400e- 003	0.0000	8.3589	8.3589	2.7000e- 003	0.0000	8.4265



Page 13 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/yr							МТ	/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	1.8000e- 004	1.4000e- 004	1.3200e- 003	0.0000	3.6000e- 004	0.0000	3.6000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2974	0.2974	1.0000e- 005	0.0000	0.2976
Total	1.8000e- 004	1.4000e- 004	1.3200e- 003	0.0000	3.6000e- 004	0.0000	3.6000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.2974	0.2974	1.0000e- 005	0.0000	0.2976

3.4 Grading - 2021

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e- 003	0.0990	0.0634	1.2000e- 004		4.6400e- 003	4.6400e- 003		4.2700e- 003	4.2700e- 003	0.0000	10.4215	10.4215	3.3700e- 003	0.0000	10.5057
Total	9.1600e- 003	0.0990	0.0634	1.2000e- 004	0.0262	4.6400e- 003	0.0309	0.0135	4.2700e- 003	0.0177	0.0000	10.4215	10.4215	3.3700e- 003	0.0000	10.5057



Page 14 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/yr							МТ	/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	2.4000e- 004	1.8000e- 004	1.7600e- 003	0.0000	4.8000e- 004	0.0000	4.9000e- 004	1.3000e- 004	0.0000	1.3000e- 004	0.0000	0.3965	0.3965	1.0000e- 005	0.0000	0.3968
Total	2.4000e- 004	1.8000e- 004	1.7600e- 003	0.0000	4.8000e- 004	0.0000	4.9000e- 004	1.3000e- 004	0.0000	1.3000e- 004	0.0000	0.3965	0.3965	1.0000e- 005	0.0000	0.3968

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					0.0102	0.0000	0.0102	5.2500e- 003	0.0000	5.2500e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9400e- 003	0.0286	0.0662	1.2000e- 004		9.0000e- 004	9.0000e- 004		8.4000e- 004	8.4000e- 004	0.0000	10.4215	10.4215	3.3700e- 003	0.0000	10.5057
Total	2.9400e- 003	0.0286	0.0662	1.2000e- 004	0.0102	9.0000e- 004	0.0111	5.2500e- 003	8.4000e- 004	6.0900e- 003	0.0000	10.4215	10.4215	3.3700e- 003	0.0000	10.5057



Page 15 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.4 Grading - 2021

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					ton	s/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	2.4000e- 004	1.8000e- 004	1.7600e- 003	0.0000	4.8000e- 004	0.0000	4.9000e- 004	1.3000e- 004	0.0000	1.3000e- 004	0.0000	0.3965	0.3965	1.0000e- 005	0.0000	0.3968
Total	2.4000e- 004	1.8000e- 004	1.7600e- 003	0.0000	4.8000e- 004	0.0000	4.9000e- 004	1.3000e- 004	0.0000	1.3000e- 004	0.0000	0.3965	0.3965	1.0000e- 005	0.0000	0.3968

3.5 Building Construction - 2021

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	0.0989	0.9065	0.8619	1.4000e- 003		0.0499	0.0499		0.0469	0.0469	0.0000	120.4514	120.4514	0.0291	0.0000	121.1779
Total	0.0989	0.9065	0.8619	1.4000e- 003		0.0499	0.0499		0.0469	0.0469	0.0000	120.4514	120.4514	0.0291	0.0000	121.1779



Page 16 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2021

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					ton	s/yr							МТ	/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	5.4000e- 004	0.0172	3.3800e- 003	4.0000e- 005	1.0400e- 003	5.0000e- 005	1.0900e- 003	3.0000e- 004	5.0000e- 005	3.5000e- 004	0.0000	4.2130	4.2130	4.6000e- 004	0.0000	4.2246
Worker	1.2700e- 003	9.6000e- 004	9.1400e- 003	2.0000e- 005	2.5100e- 003	2.0000e- 005	2.5200e- 003	6.7000e- 004	2.0000e- 005	6.8000e- 004	0.0000	2.0618	2.0618	7.0000e- 005	0.0000	2.0636
Total	1.8100e- 003	0.0182	0.0125	6.0000e- 005	3.5500e- 003	7.0000e- 005	3.6100e- 003	9.7000e- 004	7.0000e- 005	1.0300e- 003	0.0000	6.2749	6.2749	5.3000e- 004	0.0000	6.2881

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	0.0785	0.6702	0.8731	1.4000e- 003		0.0353	0.0353		0.0335	0.0335	0.0000	120.4512	120.4512	0.0291	0.0000	121.1777
Total	0.0785	0.6702	0.8731	1.4000e- 003		0.0353	0.0353		0.0335	0.0335	0.0000	120.4512	120.4512	0.0291	0.0000	121.1777



Page 17 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/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	5.4000e- 004	0.0172	3.3800e- 003	4.0000e- 005	1.0400e- 003	5.0000e- 005	1.0900e- 003	3.0000e- 004	5.0000e- 005	3.5000e- 004	0.0000	4.2130	4.2130	4.6000e- 004	0.0000	4.2246
Worker	1.2700e- 003	9.6000e- 004	9.1400e- 003	2.0000e- 005	2.5100e- 003	2.0000e- 005	2.5200e- 003	6.7000e- 004	2.0000e- 005	6.8000e- 004	0.0000	2.0618	2.0618	7.0000e- 005	0.0000	2.0636
Total	1.8100e- 003	0.0182	0.0125	6.0000e- 005	3.5500e- 003	7.0000e- 005	3.6100e- 003	9.7000e- 004	7.0000e- 005	1.0300e- 003	0.0000	6.2749	6.2749	5.3000e- 004	0.0000	6.2881

3.5 Building Construction - 2022

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	0.0981	0.8979	0.9409	1.5500e- 003		0.0465	0.0465		0.0438	0.0438	0.0000	133.2420	133.2420	0.0319	0.0000	134.0400
Total	0.0981	0.8979	0.9409	1.5500e- 003		0.0465	0.0465		0.0438	0.0438	0.0000	133.2420	133.2420	0.0319	0.0000	134.0400



Page 18 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2022

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					ton	s/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	5.6000e- 004	0.0180	3.4500e- 003	5.0000e- 005	1.1500e- 003	5.0000e- 005	1.2000e- 003	3.3000e- 004	5.0000e- 005	3.8000e- 004	0.0000	4.6153	4.6153	5.0000e- 004	0.0000	4.6277
Worker	1.3000e- 003	9.4000e- 004	9.1800e- 003	2.0000e- 005	2.7700e- 003	2.0000e- 005	2.7900e- 003	7.4000e- 004	2.0000e- 005	7.5000e- 004	0.0000	2.1990	2.1990	7.0000e- 005	0.0000	2.2007
Total	1.8600e- 003	0.0189	0.0126	7.0000e- 005	3.9200e- 003	7.0000e- 005	3.9900e- 003	1.0700e- 003	7.0000e- 005	1.1300e- 003	0.0000	6.8143	6.8143	5.7000e- 004	0.0000	6.8284

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	0.0790	0.6698	0.9566	1.5500e- 003		0.0337	0.0337		0.0320	0.0320	0.0000	133.2419	133.2419	0.0319	0.0000	134.0399
Total	0.0790	0.6698	0.9566	1.5500e- 003		0.0337	0.0337		0.0320	0.0320	0.0000	133.2419	133.2419	0.0319	0.0000	134.0399



Page 19 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/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	5.6000e- 004	0.0180	3.4500e- 003	5.0000e- 005	1.1500e- 003	5.0000e- 005	1.2000e- 003	3.3000e- 004	5.0000e- 005	3.8000e- 004	0.0000	4.6153	4.6153	5.0000e- 004	0.0000	4.6277
Worker	1.3000e- 003	9.4000e- 004	9.1800e- 003	2.0000e- 005	2.7700e- 003	2.0000e- 005	2.7900e- 003	7.4000e- 004	2.0000e- 005	7.5000e- 004	0.0000	2.1990	2.1990	7.0000e- 005	0.0000	2.2007
Total	1.8600e- 003	0.0189	0.0126	7.0000e- 005	3.9200e- 003	7.0000e- 005	3.9900e- 003	1.0700e- 003	7.0000e- 005	1.1300e- 003	0.0000	6.8143	6.8143	5.7000e- 004	0.0000	6.8284

3.6 Paving - 2022

	ROG	NOx	со	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					ton	s/yr							MT	í/yr		
Off-Road	6.8400e- 003	0.0667	0.0854	1.3000e- 004		3.4100e- 003	3.4100e- 003		3.1500e- 003	3.1500e- 003	0.0000	11.4631	11.4631	3.6000e- 003	0.0000	11.5532
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.8400e- 003	0.0667	0.0854	1.3000e- 004		3.4100e- 003	3.4100e- 003		3.1500e- 003	3.1500e- 003	0.0000	11.4631	11.4631	3.6000e- 003	0.0000	11.5532



Page 20 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.6 Paving - 2022

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	5.3000e- 004	3.8000e- 004	3.7300e- 003	1.0000e- 005	1.1200e- 003	1.0000e- 005	1.1300e- 003	3.0000e- 004	1.0000e- 005	3.1000e- 004	0.0000	0.8923	0.8923	3.0000e- 005	0.0000	0.8930	
Total	5.3000e- 004	3.8000e- 004	3.7300e- 003	1.0000e- 005	1.1200e- 003	1.0000e- 005	1.1300e- 003	3.0000e- 004	1.0000e- 005	3.1000e- 004	0.0000	0.8923	0.8923	3.0000e- 005	0.0000	0.8930	

	ROG	NOx	со	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	5.9500e- 003	0.0561	0.0861	1.3000e- 004		2.8200e- 003	2.8200e- 003		2.6100e- 003	2.6100e- 003	0.0000	11.4631	11.4631	3.6000e- 003	0.0000	11.5531		
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Total	5.9500e- 003	0.0561	0.0861	1.3000e- 004		2.8200e- 003	2.8200e- 003		2.6100e- 003	2.6100e- 003	0.0000	11.4631	11.4631	3.6000e- 003	0.0000	11.5531		



Page 21 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	со	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	5.3000e- 004	3.8000e- 004	3.7300e- 003	1.0000e- 005	1.1200e- 003	1.0000e- 005	1.1300e- 003	3.0000e- 004	1.0000e- 005	3.1000e- 004	0.0000	0.8923	0.8923	3.0000e- 005	0.0000	0.8930	
Total	5.3000e- 004	3.8000e- 004	3.7300e- 003	1.0000e- 005	1.1200e- 003	1.0000e- 005	1.1300e- 003	3.0000e- 004	1.0000e- 005	3.1000e- 004	0.0000	0.8923	0.8923	3.0000e- 005	0.0000	0.8930	

3.7 Architectural Coating - 2022

	ROG	NOx	со	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	0.1319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Off-Road	1.4300e- 003	9.8600e- 003	0.0127	2.0000e- 005		5.7000e- 004	5.7000e- 004		5.7000e- 004	5.7000e- 004	0.0000	1.7873	1.7873	1.2000e- 004	0.0000	1.7902		
Total	0.1333	9.8600e- 003	0.0127	2.0000e- 005		5.7000e- 004	5.7000e- 004		5.7000e- 004	5.7000e- 004	0.0000	1.7873	1.7873	1.2000e- 004	0.0000	1.7902		



Page 22 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

# 3.7 Architectural Coating - 2022

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					ton	s/yr							МТ	'/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	3.0000e- 005	2.0000e- 005	1.9000e- 004	0.0000	6.0000e- 005	0.0000	6.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0446	0.0446	0.0000	0.0000	0.0447
Total	3.0000e- 005	2.0000e- 005	1.9000e- 004	0.0000	6.0000e- 005	0.0000	6.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0446	0.0446	0.0000	0.0000	0.0447

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Archit. Coating	0.1319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4300e- 003	9.8600e- 003	0.0127	2.0000e- 005		5.7000e- 004	5.7000e- 004		5.7000e- 004	5.7000e- 004	0.0000	1.7873	1.7873	1.2000e- 004	0.0000	1.7902
Total	0.1333	9.8600e- 003	0.0127	2.0000e- 005		5.7000e- 004	5.7000e- 004		5.7000e- 004	5.7000e- 004	0.0000	1.7873	1.7873	1.2000e- 004	0.0000	1.7902



Page 23 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

# 3.7 Architectural Coating - 2022

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					ton	s/yr							МТ	/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	3.0000e- 005	2.0000e- 005	1.9000e- 004	0.0000	6.0000e- 005	0.0000	6.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0446	0.0446	0.0000	0.0000	0.0447
Total	3.0000e- 005	2.0000e- 005	1.9000e- 004	0.0000	6.0000e- 005	0.0000	6.0000e- 005	1.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0446	0.0446	0.0000	0.0000	0.0447

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

Increase Diversity

Expand Transit Network

Increase Transit Frequency



Page 24 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

	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					ton	s/yr							MT	'/yr		
Mitigated	0.0879	1.1265	0.7731	4.6400e- 003	0.2330	2.3200e- 003	0.2353	0.0626	2.1800e- 003	0.0648	0.0000	433.3836	433.3836	0.0417	0.0000	434.4252
Unmitigated	0.0876	1.1229	0.7664	4.5900e- 003	0.2300	2.2900e- 003	0.2323	0.0618	2.1500e- 003	0.0640	0.0000	429.4445	429.4445	0.0416	0.0000	430.4841

# 4.2 Trip Summary Information

	Ave	rage Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	72.36	16.14	6.89	131,371	133,065
Government Office Building	380.49	0.00	0.00	466,072	472,082
User Defined Retail	0.00	0.00	0.00		
Total	452.85	16.14	6.89	597,444	605,147

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
User Defined Retail	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

#### 4.4 Fleet Mix



Page 25 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.503527	0.027411	0.149893	0.110100	0.017112	0.004226	0.011648	0.165560	0.001710	0.001695	0.005548	0.000922	0.000648
Government Office Building	0.503527	0.027411	0.149893	0.110100	0.017112	0.004226	0.011648	0.165560	0.001710	0.001695	0.005548	0.000922	0.000648
User Defined Retail	0.503527	0.027411	0.149893	0.110100	0.017112	0.004226	0.011648	0.165560	0.001710	0.001695	0.005548	0.000922	0.000648

## 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	30.4562	30.4562	1.2600e- 003	2.6000e- 004	30.5651
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	35.0821	35.0821	1.4500e- 003	3.0000e- 004	35.2076
NaturalGas Mitigated	8.5000e- 004	7.7200e- 003	6.4900e- 003	5.0000e- 005		5.9000e- 004	5.9000e- 004		5.9000e- 004	5.9000e- 004	0.0000	8.4076	8.4076	1.6000e- 004	1.5000e- 004	8.4576
NaturalGas Unmitigated	8.5000e- 004	7.7200e- 003	6.4900e- 003	5.0000e- 005		5.9000e- 004	5.9000e- 004		5.9000e- 004	5.9000e- 004	0.0000	8.4076	8.4076	1.6000e- 004	1.5000e- 004	8.4576



Page 26 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	со	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					ton	s/yr							МТ	'/yr		
General Office Building	85568.8	4.6000e- 004	4.1900e- 003	3.5200e- 003	3.0000e- 005		3.2000e- 004	3.2000e- 004		3.2000e- 004	3.2000e- 004	0.0000	4.5663	4.5663	9.0000e- 005	8.0000e- 005	4.5934
Government Office Building	71983.8	3.9000e- 004	3.5300e- 003	2.9600e- 003	2.0000e- 005		2.7000e- 004	2.7000e- 004		2.7000e- 004	2.7000e- 004	0.0000	3.8413	3.8413	7.0000e- 005	7.0000e- 005	3.8642
User Defined Retail	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		8.5000e- 004	7.7200e- 003	6.4800e- 003	5.0000e- 005		5.9000e- 004	5.9000e- 004		5.9000e- 004	5.9000e- 004	0.0000	8.4076	8.4076	1.6000e- 004	1.5000e- 004	8.4576

Mitigated

	NaturalGa s 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					ton	s/yr							МТ	7/yr		
General Office Building	85568.8	4.6000e- 004	4.1900e- 003	3.5200e- 003	3.0000e- 005		3.2000e- 004	3.2000e- 004		3.2000e- 004	3.2000e- 004	0.0000	4.5663	4.5663	9.0000e- 005	8.0000e- 005	4.5934
Government Office Building	71983.8	3.9000e- 004	3.5300e- 003	2.9600e- 003	2.0000e- 005		2.7000e- 004	2.7000e- 004		2.7000e- 004	2.7000e- 004	0.0000	3.8413	3.8413	7.0000e- 005	7.0000e- 005	3.8642
User Defined Retail	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		8.5000e- 004	7.7200e- 003	6.4800e- 003	5.0000e- 005		5.9000e- 004	5.9000e- 004		5.9000e- 004	5.9000e- 004	0.0000	8.4076	8.4076	1.6000e- 004	1.5000e- 004	8.4576



Page 27 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

# 5.3 Energy by Land Use - Electricity <u>Unmitigated</u>

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MI	ī/yr	
General Office Building	59799.8	19.0535	7.9000e- 004	1.6000e- 004	19.1217
Government Office Building	50305.9	16.0285	6.6000e- 004	1.4000e- 004	16.0859
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		35.0821	1.4500e- 003	3.0000e- 004	35.2076

## Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		Μ	ī/yr	
General Office Building	52096.7	16.5991	6.9000e- 004	1.4000e- 004	16.6585
Government Office Building	43490.6	13.8571	5.7000e- 004	1.2000e- 004	13.9066
User Defined Retail	0	0.0000	0.0000	0.0000	0.0000
Total		30.4562	1.2600e- 003	2.6000e- 004	30.5651

## 6.0 Area Detail



Page 28 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	со	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					ton	s/yr							MT	'/yr		
Mitigated	0.0876	3.0000e- 005	2.8700e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005	0.0000	5.5800e- 003	5.5800e- 003	1.0000e- 005	0.0000	5.9400e- 003
Unmitigated	0.0876	3.0000e- 005	2.8700e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005	0.0000	5.5800e- 003	5.5800e- 003	1.0000e- 005	0.0000	5.9400e- 003

6.2 Area by SubCategory

<u>Unmitigated</u>

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory		tons/yr					MT/yr									
Architectural Coating	0.0132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e- 004	3.0000e- 005	2.8700e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005	0.0000	5.5800e- 003	5.5800e- 003	1.0000e- 005	0.0000	5.9400e- 003
Total	0.0876	3.0000e- 005	2.8700e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005	0.0000	5.5800e- 003	5.5800e- 003	1.0000e- 005	0.0000	5.9400e- 003



Page 29 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

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					ton	s/yr							MT	/yr		
Architectural Coating	0.0132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e- 004	3.0000e- 005	2.8700e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005	0.0000	5.5800e- 003	5.5800e- 003	1.0000e- 005	0.0000	5.9400e- 003
Total	0.0876	3.0000e- 005	2.8700e- 003	0.0000		1.0000e- 005	1.0000e- 005		1.0000e- 005	1.0000e- 005	0.0000	5.5800e- 003	5.5800e- 003	1.0000e- 005	0.0000	5.9400e- 003

## 7.0 Water Detail

#### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System



Page 30 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

	Total CO2	CH4	N20	CO2e		
Category	MT/yr					
linigatou	6.1396	0.0716	1.7300e- 003	8.4466		
	7.0746	0.0849	2.0500e- 003	9.8073		

# 7.2 Water by Land Use

**Unmitigated** 

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	ī/yr	
General Office Building	1.16593 / 0.714604		0.0381	9.2000e- 004	4.4041
Government Office Building	1.0966 / 0.672111	2.9880	0.0358	8.7000e- 004	4.1422
User Defined Retail	0.333831 / 0.204606		0.0109	2.6000e- 004	1.2610
Total		7.0746	0.0849	2.0500e- 003	9.8073



Page 31 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

## 7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		MI	ſ/yr	
General Office Building	0.984048 / 0.671013		0.0322	7.8000e- 004	3.7931
Government Office Building	0.925532 / 0.631112		0.0303	7.3000e- 004	3.5675
User Defined Retail	0.281753 / 0.192125		9.2100e- 003	2.2000e- 004	1.0860
Total		6.1396	0.0716	1.7300e- 003	8.4466

# 8.0 Waste Detail

8.1 Mitigation Measures Waste



Page 32 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e			
	MT/yr						
	2.6348	0.1557	0.0000	6.5277			
Grinigatou	2.6348	0.1557	0.0000	6.5277			

# 8.2 Waste by Land Use

**Unmitigated** 

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		MI	ī/yr	
General Office Building	6.1	1.2382	0.0732	0.0000	3.0677
Government Office Building	5.13	1.0413	0.0615	0.0000	2.5799
User Defined Retail	1.75	0.3552	0.0210	0.0000	0.8801
Total		2.6348	0.1557	0.0000	6.5277



Page 33 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

## 8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons		M	ſ/yr	
General Office Building	6.1	1.2382	0.0732	0.0000	3.0677
Government Office Building	5.13	1.0413	0.0615	0.0000	2.5799
User Defined Retail	1.75	0.3552	0.0210	0.0000	0.8801
Total		2.6348	0.1557	0.0000	6.5277

## 9.0 Operational Offroad

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



Page 34 of 34

Date: 8/31/2019 5:53 AM

KART Transit Station - Kings County, Annual

11.0 Vegetation



# ATTACHMENT K - SUPPLEMENTAL AIR EMISSIONS MODELING DATA

CalEEMod Version: CalEEMod.2016.3.2

Page 1 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

KART Transit Station Kings County, Annual

#### **1.0 Project Characteristics**

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	6.56	1000sqft	0.15	6,557.00	0
General Office Building	5.52	1000sqft	0.13	5,516.00	0
General Office Building	6.90	1000sqft	0.16	6,900.00	0

#### 1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	37
Climate Zone	3			Operational Year	2023
Utility Company	Southern California Ediso	n			
CO2 Intensity (Ib/MWhr)	702.44	CH4 Intensity (Ib/MWhr)	0.029	N2O Intensity (Ib/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data



CalEEMod Version: CalEEMod.2016.3.2 Page 2 of 34 Date: 12/9/2019 12:59 PM KART Transit Station - Kings County, Annual Project Characteristics - Energy from both PG&E and SCE, with SCE the primary provider Land Use - Supplied by client Construction Phase - Schedule adjusted to reflect client's wishes Off-road Equipment -Off-road Equipment -Off-road Equipment -Off-road Equipment -Off-road Equipment -Off-road Equipment -Demolition -Vehicle Trips - TIA trip rates fpr weekday, weekends extrapolated from CalEEMod Energy Use -Water And Wastewater - Used data in CalEEMod User's Guide Appendix D for a general office building to represent transit station. Solid Waste - Used data in CalEEMod User's Guide Appendix D for a general office building to represent transit station. Construction Off-road Equipment Mitigation - Larger equipment will be Tier 4 Mobile Land Use Mitigation -Mobile Commute Mitigation -Energy Mitigation -Water Mitigation -Trips and VMT - Trip Length changes to reflect debris going to the Kettleman Landfill



CalEEMod Version: CalEEMod	1.2016.3.2	Page 3 of 34	Date: 12/9/
	KART Tra	nsit Station - Kings County, Annu	lal
Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	1.00	5.00
tblConstructionPhase	NumDays	2.00	8.00
tblConstructionPhase	NumDays	100.00	230.00
tblConstructionPhase	NumDays	5.00	18.00
tblConstructionPhase	NumDays	5.00	18.00
tblGrading	AcresOfGrading	2.50	0.50
tblLandUse	LandUseSquareFeet	5,520.00	5,516.00
tblLandUse	LandUseSquareFeet	6,560.00	6,557.00
tblTripsAndVMT	HaulingTripLength	20.00	40.00
tblVehicleTrips	ST_TR	2.46	13.38
tblVehicleTrips	SU_TR	1.05	5.71
tblVehicleTrips	WD_TR	11.03	60.00

2019 12:59 PM

2.0 Emissions Summary



Page 4 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

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					ton	s/yr							МТ	"∕yr		
2021	0.0543	0.5605	0.4961	9.2000e- 004	0.0239	0.0288	0.0527	5.6300e- 003	0.0267	0.0323	0.0000	82.0470	82.0470	0.0204	0.0000	82.5561
2022	0.1873	0.5482	0.5671	9.7000e- 004	5.8400e- 003	0.0279	0.0337	1.5800e- 003	0.0257	0.0273	0.0000	85.2041	85.2041	0.0245	0.0000	85.8167
Maximum	0.1873	0.5605	0.5671	9.7000e- 004	0.0239	0.0288	0.0527	5.6300e- 003	0.0267	0.0323	0.0000	85.2041	85.2041	0.0245	0.0000	85.8167

## Mitigated Construction

	ROG	NOx	со	\$O2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Tota	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	is/yr							M	T/yr		
2021	0.0168	0.1221	0.5236	9.2000e- 004	0.0135	3.6900e- 003	0.0172	3.3300e- 003	3.6800e- 003	7.0100e- 003	0.0000	82.0469	82.0469	0.0204	0.0000	82.5561
2022	0.1505	0.1157	0.6055	9.7000e- 004	5.8400e- 003	4.0400e- 003	9.8800e- 003	1.5800e- 003	3.9100e- 003	5.4900e- 003	0.0000	85.2040	85.2040	0.0245	0.0000	85.8166
Maximum	0.1505	0.1221	0.6055	9.7000e- 004	0.0135	4.0400e- 003	0.0172	3.3300e- 003	3.9100e- 003	7.0100e- 003	0.0000	85.2040	85.2040	0.0245	0.0000	85.8166
	ROG	NOx	co	\$O2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	30.77	78.55	-6.19	0.00	35.09	86.35	68.69	31.90	85.51	79.03	0.00	0.00	0.00	0.00	0.00	0.00



Page 5 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	0.3106	0.1014
2	10-1-2021	12-31-2021	0.3006	0.0372
3	1-1-2022	3-31-2022	0.2596	0.0356
4	4-1-2022	6-30-2022	0.2623	0.0359
5	7-1-2022	9-30-2022	0.2200	0.1977
		Highest	0.3106	0.1977

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	со	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					ton	s/yr							МТ	'/yr		
Area	0.0873	0.0000	1.7000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e- 004	3.4000e- 004	0.0000	0.0000	3.6000e- 004
Energy	1.3400e- 003	0.0121	0.0102	7.0000e- 005		9.2000e- 004	9.2000e- 004		9.2000e- 004	9.2000e- 004	0.0000	68.3450	68.3450	2.5300e- 003	7.1000e- 004	68.6208
Mobile	0.2545	3.2032	2.4508	0.0148	0.7960	7.6800e- 003	0.8037	0.2140	7.2200e- 003	0.2212	0.0000	1,385.438 1	1,385.438 1	0.1148	0.0000	1,388.308 5
Waste						0.0000	0.0000		0.0000	0.0000	3.5828	0.0000	3.5828	0.2117	0.0000	8.8762
Water						0.0000	0.0000		0.0000	0.0000	1.0702	8.1216	9.1918	0.1103	2.6600e- 003	12.7424
Total	0.3431	3.2153	2.4611	0.0149	0.7960	8.6000e- 003	0.8046	0.2140	8.1400e- 003	0.2221	4.6530	1,461.905 1	1,466.558 1	0.4393	3.3700e- 003	1,478.548 2



Page 6 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

# 2.2 Overall Operational

Mitigated Operational

	ROG	NÖx	co	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhai PM2		PM2.5 Total	Bio- CO:	2 NBio- 0	CO2 Tol	tal CO2	CH4	N	20	CO2e
Category			•		to	ns/yr									MT	F/yr	·		
Area	0.0873	0.0000	1.7000e- 004	0.0000		0.0000	0.0000		0.00	00	0.0000	0.0000	3.400 004		4000e- 004	0.000	0 0.0	0000	3.6000e- 004
Energy	1.3400e- 003	0.0121	0.0102	7.0000e- 005		9.2000e- 004	9.2000e- 004		9.200 004		9.2000e- 004	0.0000	60.87	59 60	0.8759	2.2200 003		000e- 04	61.1249
Mobile	0.2555	3.2139	2.4704	0.0150	0.8047	7.7600e- 003	0.8125	0.2163	7.290 003		0.2236	0.0000	1,397. 2	004 1,3	97.004 2	0.115	0 0.0	0000	1,399.880 0
Waste						0.0000	0.0000		0.00	00	0.0000	3.5828	0.000	00 3	.5828	0.211	7 0.0	0000	8.8762
Water						0.0000	0.0000		0.00	00	0.0000	0.9033	7.073	37 7	.9770	0.093		500e- 03	10.9744
Total	0.3442	3.2260	2.4808	0.0150	0.8047	8.6800e- 003	0.8134	0.2163	8.210 003		0.2246	4.4861	1,464. 1	954 1,4	69.440 2	0.422		)00e- 03	1,480.855 9
	ROG	N	Ox C	:0 S	O2 Fug P			VI10 Fi otal I	ugitive PM2.5	Exhau PM2			- CO2 N	IBio-CO2	2 Total	CO2	CH4	N2	0 CO2
Percent Reduction	-0.31	-0	.33 -0	.80 -0	.87 -	1.09 -1	0.93 -1	1.09	-1.09	-0.8	6 -1.0	)8 :	1.59	-0.21	-0.2	20	3.93	13.	95 -0.1

## 3.0 Construction Detail

**Construction Phase** 



CalEE	Mod Version: CalEEMod.20	16.3.2	Pa	ge 7 of 34			Date: 12/9/2019 12	2:59 PM
		KAF	T Transit Stat	ion - Kings Cou	unty, Annua	al		
Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description	
1	Demolition	Demolition	7/1/2021	7/28/2021	5	20		
2	Site Preparation	Site Preparation	7/29/2021	8/4/2021	5	5		
3	Grading	Grading	8/5/2021	8/16/2021	5	8		
4	Building Construction	Building Construction	8/17/2021	7/4/2022	5	230		
5	Paving	Paving	7/5/2022	7/28/2022	5	18		
6	Architectural Coating	Architectural Coating	7/29/2022	8/23/2022	5	18		

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 28,460; Non-Residential Outdoor: 9,487; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment



Page 8 of 34

Date: 12/9/2019 12:59 PM

# KART Transit Station - Kings County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

#### 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
Demolition	4	10.00	0.00	128.00	10.80	7.30	40.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	6.00	3.00	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	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT



Page 9 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

## 3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment Water Exposed Area

3.2 Demolition - 2021

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					0.0139	0.0000	0.0139	2.1000e- 003	0.0000	2.1000e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9700e- 003	0.0725	0.0757	1.2000e- 004		4.0700e- 003	4.0700e- 003		3.8900e- 003	3.8900e- 003	0.0000	10.4093	10.4093	1.9400e- 003	0.0000	10.4578
Total	7.9700e- 003	0.0725	0.0757	1.2000e- 004	0.0139	4.0700e- 003	0.0179	2.1000e- 003	3.8900e- 003	5.9900e- 003	0.0000	10.4093	10.4093	1.9400e- 003	0.0000	10.4578



Page 10 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	со	\$O2	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	8.4000e- 004	0.0263	4.1600e- 003	9.0000e- 005	2.2000e- 003	1.0000e- 004	2.3000e- 003	6.0000e- 004	1.0000e- 004	7.0000e- 004	0.0000	8.8146	8.8146	4.0000e- 004	0.0000	8.8245
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	4.1000e- 004	3.1000e- 004	2.9300e- 003	1.0000e- 005	8.0000e- 004	1.0000e- 005	8.1000e- 004	2.1000e- 004	0.0000	2.2000e- 004	0.0000	0.6608	0.6608	2.0000e- 005	0.0000	0.6614
Total	1.2500e- 003	0.0266	7.0900e- 003	1.0000e- 004	3.0000e- 003	1.1000e- 004	3.1100e- 003	8.1000e- 004	1.0000e- 004	9.2000e- 004	0.0000	9.4754	9.4754	4.2000e- 004	0.0000	9.4859

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					5.4100e- 003	0.0000	5.4100e- 003	8.2000e- 004	0.0000	8.2000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5500e- 003	0.0334	0.0767	1.2000e- 004		1.8200e- 003	1.8200e- 003		1.8200e- 003	1.8200e- 003	0.0000	10.4093	10.4093	1.9400e- 003	0.0000	10.4578
Total	4.5500e- 003	0.0334	0.0767	1.2000e- 004	5.4100e- 003	1.8200e- 003	7.2300e- 003	8.2000e- 004	1.8200e- 003	2.6400e- 003	0.0000	10.4093	10.4093	1.9400e- 003	0.0000	10.4578



Page 11 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.2 Demolition - 2021

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					ton	s/yr							MT	7/yr		
Hauling	8.4000e- 004	0.0263	4.1600e- 003	9.0000e- 005	2.2000e- 003	1.0000e- 004	2.3000e- 003	6.0000e- 004	1.0000e- 004	7.0000e- 004	0.0000	8.8146	8.8146	4.0000e- 004	0.0000	8.8245
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	4.1000e- 004	3.1000e- 004	2.9300e- 003	1.0000e- 005	8.0000e- 004	1.0000e- 005	8.1000e- 004	2.1000e- 004	0.0000	2.2000e- 004	0.0000	0.6608	0.6608	2.0000e- 005	0.0000	0.6614
Total	1.2500e- 003	0.0266	7.0900e- 003	1.0000e- 004	3.0000e- 003	1.1000e- 004	3.1100e- 003	8.1000e- 004	1.0000e- 004	9.2000e- 004	0.0000	9.4754	9.4754	4.2000e- 004	0.0000	9.4859

3.3 Site Preparation - 2021

	ROG	NOx	со	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					ton	s/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	1.6000e- 003	0.0196	0.0101	2.0000e- 005		7.5000e- 004	7.5000e- 004		6.9000e- 004	6.9000e- 004	0.0000	2.1377	2.1377	6.9000 <del>e</del> - 004	0.0000	2.1550
Total	1.6000e- 003	0.0196	0.0101	2.0000e- 005	2.7000e- 004	7.5000e- 004	1.0200e- 003	3.0000e- 005	6.9000e- 004	7.2000e- 004	0.0000	2.1377	2.1377	6.9000e- 004	0.0000	2.1550



Page 12 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.3 Site Preparation - 2021

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					ton	s/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	5.0000e- 005	4.0000e- 005	3.7000e- 004	0.0000	1.0000e- 004	0.0000	1.0000e- 004	3.0000e- 005	0.0000	3.0000e- 005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0827
Total	5.0000e- 005	4.0000e- 005	3.7000e- 004	0.0000	1.0000e- 004	0.0000	1.0000e- 004	3.0000e- 005	0.0000	3.0000e- 005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0827

	ROG	NOx	со	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					ton	s/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	3.0000e- 004	1.2900e- 003	0.0133	2.0000e- 005		4.0000e- 005	4.0000e- 005		4.0000e- 005	4.0000e- 005	0.0000	2.1377	2.1377	6.9000e- 004	0.0000	2.1550
Total	3.0000e- 004	1.2900e- 003	0.0133	2.0000e- 005	1.0000e- 004	4.0000e- 005	1.4000e- 004	1.0000e- 005	4.0000e- 005	5.0000e- 005	0.0000	2.1377	2.1377	6.9000e- 004	0.0000	2.1550



Page 13 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.3 Site Preparation - 2021

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					ton	s/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	5.0000e- 005	4.0000e- 005	3.7000e- 004	0.0000	1.0000e- 004	0.0000	1.0000e- 004	3.0000e- 005	0.0000	3.0000e- 005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0827
Total	5.0000e- 005	4.0000e- 005	3.7000e- 004	0.0000	1.0000e- 004	0.0000	1.0000e- 004	3.0000e- 005	0.0000	3.0000e- 005	0.0000	0.0826	0.0826	0.0000	0.0000	0.0827

3.4 Grading - 2021

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					3.0100e- 003	0.0000	3.0100e- 003	1.6600e- 003	0.0000	1.6600e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1900e- 003	0.0290	0.0303	5.0000e- 005		1.6300e- 003	1.6300e- 003		1.5500e- 003	1.5500e- 003	0.0000	4.1637	4.1637	7.8000e- 004	0.0000	4.1831
Total	3.1900e- 003	0.0290	0.0303	5.0000e- 005	3.0100e- 003	1.6300e- 003	4.6400e- 003	1.6600e- 003	1.5500e- 003	3.2100e- 003	0.0000	4.1637	4.1637	7.8000e- 004	0.0000	4.1831



Page 14 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/yr							МТ	/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	1.6000e- 004	1.2000e- 004	1.1700e- 003	0.0000	3.2000e- 004	0.0000	3.2000e- 004	9.0000e- 005	0.0000	9.0000e- 005	0.0000	0.2643	0.2643	1.0000e- 005	0.0000	0.2646
Total	1.6000e- 004	1.2000e- 004	1.1700e- 003	0.0000	3.2000e- 004	0.0000	3.2000e- 004	9.0000e- 005	0.0000	9.0000e- 005	0.0000	0.2643	0.2643	1.0000e- 005	0.0000	0.2646

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Fugitive Dust					1.1700e- 003	0.0000	1.1700e- 003	6.5000e- 004	0.0000	6.5000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8200e- 003	0.0134	0.0307	5.0000e- 005		7.3000e- 004	7.3000e- 004		7.3000e- 004	7.3000e- 004	0.0000	4.1637	4.1637	7.8000e- 004	0.0000	4.1831
Total	1.8200e- 003	0.0134	0.0307	5.0000e- 005	1.1700e- 003	7.3000e- 004	1.9000e- 003	6.5000e- 004	7.3000e- 004	1.3800e- 003	0.0000	4.1637	4.1637	7.8000e- 004	0.0000	4.1831



Page 15 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/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	1.6000e- 004	1.2000e- 004	1.1700e- 003	0.0000	3.2000e- 004	0.0000	3.2000e- 004	9.0000e- 005	0.0000	9.0000e- 005	0.0000	0.2643	0.2643	1.0000e- 005	0.0000	0.2646
Total	1.6000e- 004	1.2000e- 004	1.1700e- 003	0.0000	3.2000e- 004	0.0000	3.2000e- 004	9.0000e- 005	0.0000	9.0000e- 005	0.0000	0.2643	0.2643	1.0000e- 005	0.0000	0.2646

3.5 Building Construction - 2021

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	0.0384	0.3953	0.3596	5.6000e- 004		0.0222	0.0222		0.0204	0.0204	0.0000	49.5406	49.5406	0.0160	0.0000	49.9412
Total	0.0384	0.3953	0.3596	5.6000e- 004		0.0222	0.0222		0.0204	0.0204	0.0000	49.5406	49.5406	0.0160	0.0000	49.9412



Page 16 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2021

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					ton	s/yr							МТ	/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	5.1000e- 004	0.0164	3.2200e- 003	4.0000e- 005	9.9000e- 004	5.0000e- 005	1.0400e- 003	2.9000e- 004	5.0000e- 005	3.3000e- 004	0.0000	4.0105	4.0105	4.4000e- 004	0.0000	4.0215
Worker	1.2100e- 003	9.1000e- 004	8.7000e- 003	2.0000e- 005	2.3900e- 003	2.0000e- 005	2.4000e- 003	6.3000e- 004	1.0000e- 005	6.5000e- 004	0.0000	1.9627	1.9627	7.0000e- 005	0.0000	1.9644
Total	1.7200e- 003	0.0173	0.0119	6.0000e- 005	3.3800e- 003	7.0000e- 005	3.4400e- 003	9.2000e- 004	6.0000e- 005	9.8000e- 004	0.0000	5.9732	5.9732	5.1000e- 004	0.0000	5.9858

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	6.9100e- 003	0.0300	0.3824	5.6000e- 004		9.2000e- 004	9.2000e- 004		9.2000e- 004	9.2000e- 004	0.0000	49.5406	49.5406	0.0160	0.0000	<b>4</b> 9.9411
Total	6.9100e- 003	0.0300	0.3824	5.6000e- 004		9.2000e- 004	9.2000e- 004		9.2000e- 004	9.2000e- 004	0.0000	49.5406	49.5406	0.0160	0.0000	49.9411



Page 17 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/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	5.1000e- 004	0.0164	3.2200e- 003	4.0000e- 005	9.9000e- 004	5.0000e- 005	1.0400e- 003	2.9000e- 004	5.0000e- 005	3.3000e- 004	0.0000	4.0105	4.0105	4.4000e- 004	0.0000	4.0215
Worker	1.2100e- 003	9.1000e- 004	8.7000e- 003	2.0000e- 005	2.3900e- 003	2.0000e- 005	2.4000e- 003	6.3000e- 004	1.0000e- 005	6.5000e- 004	0.0000	1.9627	1.9627	7.0000e- 005	0.0000	1.9644
Total	1.7200e- 003	0.0173	0.0119	6.0000e- 005	3.3800e- 003	7.0000e- 005	3.4400e- 003	9.2000e- 004	6.0000e- 005	9.8000e- 004	0.0000	5.9732	5.9732	5.1000e- 004	0.0000	5.9858

3.5 Building Construction - 2022

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	0.0450	0.4602	0.4685	7.5000e- 004		0.0244	0.0244		0.0224	0.0224	0.0000	65.5967	65.5967	0.0212	0.0000	66.1271
Total	0.0450	0.4602	0.4685	7.5000e- 004		0.0244	0.0244		0.0224	0.0224	0.0000	65.5967	65.5967	0.0212	0.0000	66.1271



Page 18 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2022

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					ton	s/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	6.3000e- 004	0.0205	3.9300e- 003	6.0000e- 005	1.3100e- 003	6.0000e- 005	1.3700e- 003	3.8000e- 004	5.0000e- 005	4.3000e- 004	0.0000	5.2575	5.2575	5.6000e- 004	0.0000	5.2716
Worker	1.4800e- 003	1.0800e- 003	0.0105	3.0000e- 005	3.1600e- 003	2.0000e- 005	3.1800e- 003	8.4000e- 004	2.0000e- 005	8.6000e- 004	0.0000	2.5049	2.5049	8.0000e- 005	0.0000	2.5069
Total	2.1100e- 003	0.0216	0.0144	9.0000e- 005	4.4700e- 003	8.0000e- 005	4.5500e- 003	1.2200e- 003	7.0000e- 005	1.2900e- 003	0.0000	7.7624	7.7624	6.4000e- 004	0.0000	7.7784

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
	9.1500e- 003	0.0396	0.5061	7.5000e- 004		1.2200e- 003	1.2200e- 003		1.2200e- 003	1.2200e- 003	0.0000	65.5967	65.5967	0.0212	0.0000	66.1270
Total	9.1500e- 003	0.0396	0.5061	7.5000e- 004		1.2200e- 003	1.2200e- 003		1.2200e- 003	1.2200e- 003	0.0000	65.5967	65.5967	0.0212	0.0000	66.1270



Page 19 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	со	\$O2	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					ton	s/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	6.3000e- 004	0.0205	3.9300e- 003	6.0000e- 005	1.3100e- 003	6.0000e- 005	1.3700e- 003	3.8000e- 004	5.0000e- 005	4.3000e- 004	0.0000	5.2575	5.2575	5.6000e- 004	0.0000	5.2716
Worker	1.4800e- 003	1.0800e- 003	0.0105	3.0000e- 005	3.1600e- 003	2.0000e- 005	3.1800e- 003	8.4000e- 004	2.0000e- 005	8.6000e- 004	0.0000	2.5049	2.5049	8.0000e- 005	0.0000	2.5069
Total	2.1100e- 003	0.0216	0.0144	9.0000e- 005	4.4700e- 003	8.0000e- 005	4.5500e- 003	1.2200e- 003	7.0000e- 005	1.2900e- 003	0.0000	7.7624	7.7624	6.4000e- 004	0.0000	7.7784

3.6 Paving - 2022

	ROG	NOx	со	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					ton	s/yr							МТ	/yr		
Off-Road	5.8200e- 003	0.0533	0.0633	1.0000e- 004		2.6600e- 003	2.6600e- 003		2.4800e- 003	2.4800e- 003	0.0000	8.4572	8.4572	2.4600e- 003	0.0000	8.5188
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.8200e- 003	0.0533	0.0633	1.0000e- 004		2.6600e- 003	2.6600e- 003		2.4800e- 003	2.4800e- 003	0.0000	8.4572	8.4572	2.4600e- 003	0.0000	8.5188



Page 20 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	со	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					ton	s/yr							МТ	'/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	6.1000e- 004	4.4000e- 004	4.3100e- 003	1.0000e- 005	1.3000e- 003	1.0000e- 005	1.3100e- 003	3.5000e- 004	1.0000e- 005	3.5000e- 004	0.0000	1.0326	1.0326	3.0000e- 005	0.0000	1.0334
Total	6.1000e- 004	4.4000e- 004	4.3100e- 003	1.0000e- 005	1.3000e- 003	1.0000e- 005	1.3100e- 003	3.5000e- 004	1.0000e- 005	3.5000e- 004	0.0000	1.0326	1.0326	3.0000e- 005	0.0000	1.0334

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Off-Road	4.8200e- 003	0.0414	0.0641	1.0000e- 004		1.9900e- 003	1.9900e- 003		1.8700e- 003	1.8700e- 003	0.0000	8.4572	8.4572	2.4600e- 003	0.0000	8.5187
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.8200e- 003	0.0414	0.0641	1.0000e- 004		1.9900e- 003	1.9900e- 003		1.8700e- 003	1.8700e- 003	0.0000	8.4572	8.4572	2.4600e- 003	0.0000	8.5187



Page 21 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

3.6 Paving - 2022

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					ton	s/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	6.1000e- 004	4.4000e- 004	4.3100e- 003	1.0000e- 005	1.3000e- 003	1.0000e- 005	1.3100e- 003	3.5000e- 004	1.0000e- 005	3.5000e- 004	0.0000	1.0326	1.0326	3.0000e- 005	0.0000	1.0334
Total	6.1000e- 004	4.4000e- 004	4.3100e- 003	1.0000e- 005	1.3000e- 003	1.0000e- 005	1.3100e- 003	3.5000e- 004	1.0000e- 005	3.5000e- 004	0.0000	1.0326	1.0326	3.0000e- 005	0.0000	1.0334

3.7 Architectural Coating - 2022

	ROG	NOx	со	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					ton	s/yr							MT	/yr		
Archit. Coating	0.1319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e- 003	0.0127	0.0163	3.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	2.2979	2.2979	1.5000e- 004	0.0000	2.3017
Total	0.1338	0.0127	0.0163	3.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	2.2979	2.2979	1.5000e- 004	0.0000	2.3017



Page 22 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

## 3.7 Architectural Coating - 2022

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	3.0000e- 005	2.0000e- 005	2.4000e- 004	0.0000	7.0000e- 005	0.0000	7.0000e- 005	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0574	0.0574	0.0000	0.0000	0.0574
Total	3.0000e- 005	2.0000e- 005	2.4000e- 004	0.0000	7.0000e- 005	0.0000	7.0000e- 005	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0574	0.0574	0.0000	0.0000	0.0574

	ROG	NOx	со	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	0.1319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e- 003	0.0127	0.0163	3.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	2.2979	2.2979	1.5000e- 004	0.0000	2.3017
Total	0.1338	0.0127	0.0163	3.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	2.2979	2.2979	1.5000e- 004	0.0000	2.3017



Page 23 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

# 3.7 Architectural Coating - 2022

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	3.0000e- 005	2.0000e- 005	2.4000e- 004	0.0000	7.0000e- 005	0.0000	7.0000e- 005	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0574	0.0574	0.0000	0.0000	0.0574
Total	3.0000e- 005	2.0000e- 005	2.4000e- 004	0.0000	7.0000e- 005	0.0000	7.0000e- 005	2.0000e- 005	0.0000	2.0000e- 005	0.0000	0.0574	0.0574	0.0000	0.0000	0.0574

# 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

Increase Diversity

Expand Transit Network

Increase Transit Frequency



Page 24 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

	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					ton	s/yr							MT	/yr		
Mitigated	0.2555	3.2139	2.4704	0.0150	0.8047	7.7600e- 003	0.8125	0.2163	7.2900e- 003	0.2236	0.0000	1,397.004 2	1,397.004 2	0.1150	0.0000	1,399.880 0
Unmitigated	0.2545	3.2032	2.4508	0.0148	0.7960	7.6800e- 003	0.8037	0.2140	7.2200e- 003	0.2212	0.0000	1,385.438 1	1,385.438 1	0.1148	0.0000	1,388.308 5

#### 4.2 Trip Summary Information

	Ave	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	393.60	87.77	37.46	714,615	722,432
General Office Building	331.20	73.86	31.52	601,322	607,900
General Office Building	414.00	92.32	39.40	751,653	759,876
Total	1,138.80	253.95	108.38	2,067,590	2,090,208

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	se %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

#### 4.4 Fleet Mix



Page 25 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.503527	0.027411	0.149893	0.110100	0.017112	0.004226	0.011648	0.165560	0.001710	0.001695	0.005548	0.000922	0.000648

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

	ROG	NOx	со	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					ton	s/yr							τM	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	47.6631	47.6631	1.9700e- 003	4.1000e- 004	47.8336
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	55.1323	55.1323	2.2800e- 003	4.7000e- 004	55.3295
NaturalGas Mitigated	1.3400e- 003	0.0121	0.0102	7.0000e- 005		9.2000e- 004	9.2000e- 004		9.2000e- 004	9.2000e- 004	0.0000	13.2128	13.2128	2.5000e- 004	2.4000e- 004	13.2913
NaturalGas Unmitigated	1.3400e- 003	0.0121	0.0102	7.0000e- 005		9.2000e- 004	9.2000e- 004		9.2000e- 004	9.2000e- 004	0.0000	13.2128	13.2128	2.5000e- 004	2.4000e- 004	13.2913



Page 26 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGa s Use	ROG	NOx	со	\$O2	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					ton	s/yr							МТ	'/yr		
General Office Building	71983.8	3.9000e- 004	3.5300e- 003	2.9600e- 003	2.0000e- 005		2.7000e- 004	2.7000e- 004		2.7000e- 004	2.7000e- 004	0.0000	3.8413	3.8413	7.0000e- 005	7.0000e- 005	3.8642
General Office Building	85568.8	4.6000e- 004	4.1900e- 003	3.5200e- 003	3.0000e- 005		3.2000e- 004	3.2000e- 004		3.2000e- 004	3.2000e- 004	0.0000	4.5663	4.5663	9.0000e- 005	8.0000e- 005	4.5934
General Office Building	90045	4.9000e- 004	4.4100e- 003	3.7100e- 003	3.0000e- 005		3.4000e- 004	3.4000e- 004		3.4000e- 004	3.4000e- 004	0.0000	4.8051	4.8051	9.0000e- 005	9.0000e- 005	4.8337
Total		1.3400e- 003	0.0121	0.0102	8.0000e- 005		9.3000e- 004	9.3000e- 004		9.3000e- 004	9.3000e- 004	0.0000	13.2128	13.2128	2.5000e- 004	2.4000e- 004	13.2913

Mitigated

	NaturalGa s 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					ton	s/yr							ΓM	7/yr		
General Office Building	71983.8	3.9000e- 004	3.5300e- 003	2.9600e- 003	2.0000e- 005		2.7000e- 004	2.7000e- 004		2.7000e- 004	2.7000e- 004	0.0000	3.8413	3.8413	7.0000e- 005	7.0000e- 005	3.8642
General Office Building	85568.8	4.6000e- 004	4.1900e- 003	3.5200e- 003	3.0000e- 005		3.2000e- 004	3.2000e- 004		3.2000e- 004	3.2000e- 004	0.0000	4.5663	4.5663	9.0000e- 005	8.0000e- 005	4.5934
General Office Building	90045	4.9000e- 004	4.4100e- 003	3.7100e- 003	3.0000e- 005		3.4000e- 004	3.4000e- 004		3.4000e- 004	3.4000e- 004	0.0000	4.8051	4.8051	9.0000e- 005	9.0000e- 005	4.8337
Total		1.3400e- 003	0.0121	0.0102	8.0000e- 005		9.3000e- 004	9.3000e- 004		9.3000e- 004	9.3000e- 004	0.0000	13.2128	13.2128	2.5000e- 004	2.4000e- 004	13.2913



Page 27 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

### 5.3 Energy by Land Use - Electricity <u>Unmitigated</u>

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		MI	ī/yr	
General Office Building	50305.9	16.0285	6.6000e- 004	1.4000e- 004	16.0859
General Office Building	59799.8	19.0535	7.9000e- 004	1.6000e- 004	19.1217
General Office Building	62928	20.0502	8.3000e- 004	1.7000e- 004	20.1219
Total		55.1323	2.2800e- 003	4.7000e- 004	55.3295

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		Μ	ī/yr	
General Office Building	43490.6	13.8571	5.7000e- 004	1.2000e- 004	13.9066
General Office Building	51698.3	16.4722	6.8000e- 004	1.4000e- 004	16.5311
General Office Building	54402.7	17.3339	7.2000e- 004	1.5000e- 004	17.3959
Total		47.6631	1.9700e- 003	4.1000e- 004	47.8336

#### 6.0 Area Detail



Page 28 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	со	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					ton	s/yr							МТ	7⁄yr		
Mitigated	0.0873	0.0000	1.7000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e- 004	3.4000e- 004	0.0000	0.0000	3.6000e- 004
Unmitigated	0.0873	0.0000	1.7000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e- 004	3.4000e- 004	0.0000	0.0000	3.6000e- 004

6.2 Area by SubCategory

<u>Unmitigated</u>

	ROG	NOx	со	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N20	CO2e
SubCategory					ton	s/yr							MT	/yr		
Architectural Coating	0.0132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0741					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	1.7000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e- 004	3.4000e- 004	0.0000	0.0000	3.6000e- 004
Total	0.0873	0.0000	1.7000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e- 004	3.4000e- 004	0.0000	0.0000	3.6000e- 004



Page 29 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

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					ton	s/yr							MT	'/yr		
Architectural Coating	0.0132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0741					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	1.7000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e- 004	3.4000e- 004	0.0000	0.0000	3.6000e- 004
Total	0.0873	0.0000	1.7000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.4000e- 004	3.4000e- 004	0.0000	0.0000	3.6000e- 004

#### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System



Page 30 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

	Total CO2	CH4	N20	CO2e				
Category		MT/yr						
linigatou	7.9770	0.0931	2.2500e- 003	10.9744				
	9.1918	0.1103	2.6600e- 003	12.7424				

### 7.2 Water by Land Use

**Unmitigated** 

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.37339 / 2.06756	9.1918	0.1103	2.6600e- 003	12.7424
Total		9.1918	0.1103	2.6600e- 003	12.7424



Page 31 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

### 7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgai	MT/yr			
General Office Building	2.84714 / 1.94144	7.9770	0.0931	2.2500e- 003	10.9744
Total		7.9770	0.0931	2.2500e- 003	10.9744

#### 8.0 Waste Detail

8.1 Mitigation Measures Waste

### Category/Year

	Total CO2	CH4	N2O	CO2e			
	MT/yr						
Mitigated	3.5828	0.2117	0.0000	8.8762			
Unmitigated	3.5828	0.2117	0.0000	8.8762			



Page 32 of 34

Date: 12/9/2019 12:59 PM

KART Transit Station - Kings County, Annual

#### 8.2 Waste by Land Use

**Unmitigated** 

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	17.65	3.5828	0.2117	0.0000	8.8762
Total		3.5828	0.2117	0.0000	8.8762

#### **Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	17.65	3.5828	0.2117	0.0000	8.8762
Total		3.5828	0.2117	0.0000	8.8762

### 9.0 Operational Offroad

12							
	Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type



CalEEMod Version: CalEEMod.2016.3.2		Page 33 of 34			Date: 12/9/2019 12:59 PM		
KART Transit Station - Kings County, Annual							
10.0 Stationary Equipment							
Fire Pumps and Emergency Ger	nerators						
Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type	
<u>Boilers</u>							
Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type		
User Defined Equipment						_	
Equipment Type	Number						
11.0 Vegetation							



## ATTACHMENT L - MITIGATION, MONITORING, AND REPORTING PROGRAM

The Mitigation Monitoring and Reporting Program (MMRP) has been prepared in conformance with § 21081.6 of the Public Resources Code and § 15097 of the California Environmental Quality Act (CEQA) Guidelines, which requires all state and local agencies to establish monitoring or reporting programs whenever approval of a project relies upon a Mitigated Negative Declaration (MND) or an Environmental Impact Report (EIR). The MMRP ensures implementation of the measures being imposed to mitigate or avoid the significant adverse environmental impacts identified through the use of monitoring and reporting. Monitoring is generally an ongoing or periodic process of project oversight; reporting generally consists of a written compliance review that is presented to the decision-making body or authorized staff person.

It is the intent of the MMRP to: (1) provide a framework for document implementation of the required mitigation; (2) identify monitoring/reporting responsibility; (3) provide a record of the monitoring/reporting; and (4) ensure compliance with those mitigation measures that are within the responsibility of the lead agency and/or project applicant to implement.

The areas requiring mitigation are: Air Quality (4.3) **Biological Resources (4.4)** Cultural Resources (4.5) Geology and Soils (4.7) Hazards and Hazardous Materials (4.9) Noise (4.13) Transportation (4.17) Tribal Cultural Resources (4.18) The areas that do not require mitigation are: Aesthetics (4.1) Agriculture and Forestry (4.2) Energy (4.6) Greenhouse Gases (4.8) Hydrology and Water Quality (4.10) Land Use and Planning (4.11) Mineral Resources (4.12) Population and Housing (4.13) Public Services (4.15) Recreation (4.16) Utilities and Service Systems (4.19) Wildfires (4.20)

The following table lists project design features, impacts and mitigation measures adopted by the Kings County Area Public Transit Agency in connection with approval of the proposed project, level of significance after mitigation, responsible and monitoring parties, and the project phase in which the measures are to be implemented. Only those environmental topics for which mitigation is required are listed in this Mitigation Monitoring and Reporting Program.



<u>Table 1-1</u> FINAL MITIGATION MONITORING AND REPORTING PROGRAM

Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
PROJECT DESIGN FEATURES				
Air Quality				
Construction Equipment Emission Standards	AQ-PDF-1 Construction and demolition contracts will require that contractors use offroad equipment that meets the emission requirements of California Code of Regulations Title 13, § 2423 and Code of Federal Regulations Title 40, Part 89, to the extent that such equipment is reasonably available.	Not Applicable because this is a PDF	Not Applicable because this is a PDF	Not Applicable because this is a PDF
MITIGATION MEASURES				
Air Quality				
Threshold 4.3 c) Would the project expose sensitive receptors to substantial pollutant concentrations?	<b>MM AQ-1</b> Prior to commencing and construction activity, the Applicant will provide notices that show a schedule for major construction activities that will occur through the duration of the construction period. In addition, the notification will include the identification and contact number for a community liaison and designated construction manager that would be available onsite to monitor construction activities. The construction manager shall be responsible for complying with all project requirements related to PM <sub>10</sub> generation. He or she will be located at the onsite construction office during construction hours for the duration of all construction activities. Contact information for the community liaison and construction department, and on a sign onsite.	Less Than Significant	Project Applicant	Prior to commencement of project construction



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
<b>Biological Resources</b>				
Threshold 3.3 a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<ul> <li>MM BIO-1: Bats</li> <li>Identify and protect roosting and breeding bats on the project site and provide alternative roosting habitat. The project applicant shall implement the following measures to protect roosting and breeding bats found in a tree or structure to be removed with the implementation of the project. Prior to tree removal or demolition activities, the project applicant shall retain a qualified biologist to conduct a focused survey for bats and potential roosting sites within buildings to be demolished or trees to be removed. The surveys can be conducted by visual identification and can assume presence of hoary bats or the bats can be identified to a species level with the use of a bat echolocation detector such as an "Anabat" unit. If no roosting sites or bats are found, a letter report confirming absence shall be sent to the California Department of Fish and Wildlife (CDFW) and no further mitigation is required. If roosting sites or hoary bats are found, then the following monitoring and exclusion, and habitat replacement measures shall be implemented. The letter or surveys and supplemental documents shall be provided to the City of Hanford prior to demolition permit issuance.</li> <li>a. If bats are found roosting outside of nursery season (May 1st through October 1st), then they shall be evicted as described under (b) below. If bats are found roosting during the nursery season, then they shall be monitored to determine if the roost site is a maternal roost. This could occur by either</li> </ul>	Less Than Significant	Project Applicant	Prior to tree removal or demolition activities



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
	<ul> <li>visual inspection of the roost bat pups, if possible, or monitoring the roost after the adults leave for the night to listen for bat pups. If the roost is determined to not be a maternal roost, then the bats shall be evicted as described under (b). Because bat pups cannot leave the roost until they are mature enough, eviction of a maternal roost cannot occur during the nursery season. A 250-foot (or as determined in consultation with CDFW) buffer zone shall be established around the roosting site within which no construction or tree removal shall occur.</li> <li>b. Eviction of bats shall be conducted using bat exclusion techniques, developed by Bat</li> </ul>			
	<ul> <li>Conservation International (BCI) and in consultation with CDFW that allow the bats to exit the roosting site but prevent re-entry to the site. This would include, but not be limited to, the installation of one-way exclusion devices. The devices shall remain in place for seven days and then the exclusion points and any other potential entrances shall be sealed. This work shall be completed by a BCI-recommended exclusion professional. The exclusion of bats shall be timed and carried concurrently with any scheduled bird exclusion activities.</li> <li>c. Each roost lost (if any) will be replaced in consultation with the CDFW and may include construction and installation of BCI-approved bat boxes suitable to the bat</li> </ul>			



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
	species and colony size excluded from the original roosting site. Roost replacement will be implemented before bats are excluded from the original roost sites. Once the replacement roosts are constructed and it is confirmed that bats are not present in the original roost site, the structures may be removed or sealed.			
<b>Threshold 3.3 a)</b> Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<ul> <li>MM BIO-2: Nesting Birds</li> <li>Preconstruction Nesting Bird Surveys. If project activities begin during nesting bird/raptor season (between January 1 and September 15), no earlier than one week prior to ground-disturbing activities or vegetation trimming or removal, a qualified biologist shall conduct preconstruction nesting bird clearance surveys within the project site and within a 100-foot radius around the project site for nesting birds, and other sensitive species.</li> <li>Project activities that will remove or disturb potential nest sites should be scheduled outside the nesting bird season, if feasible. Migratory bird breeding season is January 15 to August 15, general bird breeding season is February 1 to September 15, and Conduct brush removal, tree trimming, building demolition, or grading activities outside of the nesting season. California Department of Fish and Wildlife biologists have defined the nesting season as February 1st through August 15th.</li> <li>The nesting bird nesting season is typically from February 1 through August 31, but can</li> </ul>	Less Than significant	Project Applicant	Prior to tree removal or demolition activities



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
	vary slightly from year to year, usually depending on weather conditions. Raptors are known to begin nesting early in the year and ends late. The raptor nesting bird season begins January 1 to September 15.			
	<ul> <li>If project activities that will remove or disturb potential nest sites (e.g., trees and shrubs) cannot be avoided between January 1 and August 31, a qualified biologist shall conduct a pre-construction survey for nesting birds within the limits of project disturbance within seven calendar days prior to mobilization, staging and other project-related disturbance. Preconstruction surveys shall be conducted no more than three days prior to vegetation trimming or removal, grubbing or grading, structure removal, or other construction- related disturbance.</li> </ul>			
	• If an active bird nest is located during the pre-construction survey and potentially will be affected, a no-activity buffer zone shall be delineated on maps and marked in the field by fencing, stakes, flagging, or other means up to 500 feet for raptors, or 200 feet for non-raptors. Materials used to demarcate the nests shall be removed as soon as work is complete or the fledglings have left the nest. The qualified biologist shall determine the appropriate size of the buffer zone based on the type of activities planned near the nest and the species of the nesting bird. Buffer zones shall not be disturbed until a qualified biologist			



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
	<ul> <li>determines that the nest is inactive, the young have fledged, the young are no longer being fed by the parents, the young have left the area, or the young will no longer be affected by project activities. Periodic monitoring by a biological monitor will be performed to determine when nesting is complete. After the nesting cycle is complete, project activities may begin within the buffer zone.</li> <li>If neither nesting birds nor active nests are observed during the pre-construction survey(s), or if they are observed and would not be affected (i.e. are outside the buffer zone described above), then project activities may begin and no further nesting bird monitoring will be required.</li> </ul>			
Cultural Resources				
<b>Threshold 4.5 a)</b> Would the project cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	<b>MM CUL-1</b> A historical archaeological resource consisting of a domestic trash deposit is present within the project site. A qualified archaeologist shall be retained to provide monitoring in the area of the trash deposit on three lots on the north and south sides of East 8th Street. If subsurface elements or features of the historic deposit are encountered, the archaeologist shall be afforded the necessary time and funds to recover, analyze, and curate the find(s). Construction activities may continue on other parts of the project site while evaluation and treatment of historical or unique archaeological resources takes place.	Less Than Significant	Project Applicant	During Construction



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
<b>Threshold 4.5 b)</b> Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	<b>MM CUL 2</b> If prehistorical and/or historical archaeological resources are discovered during construction, the contractor shall halt construction activities in the immediate area and notify the Kings County Area Public Transit Agency (KCAPTA). An on-call qualified archaeologist shall be notified and afforded the necessary time to recover, analyze, and curate the find(s). The qualified archaeologist shall recommend the extent of archaeological monitoring necessary to ensure the protection of any other resources that may be in the area and afforded the necessary time and funds to recover, analyze, and curate the find(s). Construction activities may continue on other parts of the building site while evaluation and treatment of historical or unique archaeological resources takes place.	Less Than Significant	Project Applicant	During Construction
<b>Threshold 4.5 c)</b> Would the project disturb any human remains, including those interred outside of dedicated cemeteries?	<b>MM CUL-3</b> If human remains are encountered during excavations associated with this project, all work shall stop within a 30-foot radius of the discovery and the Kings County Coroner will be notified (§ 5097.98 of the Public Resources Code). The Coroner will determine whether the remains are recent human origin or older Native American ancestry. If the coroner, with the aid of the supervising archaeologist, determines that the remains are prehistoric, they will contact the NAHC. The NAHC will be responsible for designating the Most Likely Descendant (MLD). The MLD (either an individual or sometimes a committee) will be responsible for the ultimate disposition of the remains, as required by § 7050.5 of the California Health and Safety Code. The MLD	Less Than Significant	Project Applicant	During Construction Excavations



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
	will make recommendations within 24 hours of their notification by the NAHC. These recommendations may include scientific removal and nondestructive analysis of human remains and items associated with Native American burials (§ 7050.5 of the Health and Safety Code).			
Geology and Soils				
<b>Threshold 4.7 f)</b> Would the project directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	<b>MM GEO-1</b> If paleontological resources are uncovered during construction activities, the construction contractor shall halt construction activities in the immediate area and notify the Kings County Area Public Transit Agency. The on-call paleontologist shall be notified and afforded the necessary time and funds to recover, analyze, and curate the find(s). Subsequently, the monitor shall remain onsite for the duration of the ground disturbance to ensure the protection of any other resources that may be in the area.	Less Than Significant	Project Applicant	During project construction
Hazards and Hazardous Mat	erials			
<b>Threshold 4.9 c)</b> Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<b>MM HAZ-1</b> The project applicant shall ensure that subsurface sampling is conducted upon removal of the six below-grade hydraulic lifts located within the eastern building at 225 North Harris Street, Hanford, California. If significant contamination is encountered, a Soil Management Plan (SMP) shall be prepared to outline procedures to establish appropriate process and control measures to ensure contaminated soils are managed safely and in accordance with all applicable environmental requirements	Less Than Significant	Project Applicant	Upon removal of the six below-grade hydraulic lifts located within the eastern building at 225 North Harris Street



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
<b>Threshold 4.9 c)</b> Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<b>MM HAZ-2</b> Prior to the issuance of a grading permit, the project applicant shall ensure that subsurface sampling is conducted in the vicinity of the former USTs, located to the west of the shop building at 225 North Harris Street in Hanford, California. If significant contamination is encountered, a SMP shall be prepared to outline procedures to establish appropriate process and control measures to ensure contaminated soils are managed safely and in accordance with all applicable environmental requirements.	Less Than Significant	Project Applicant	Prior to issuance of a grading permit
<b>Threshold 4.9 c)</b> Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<b>MM HAZ-3</b> Prior to the issuance of a grading permit, the project applicant shall ensure that subsurface sampling is conducted to address the former gasoline station, and a geophysical survey conducted to verify the underground storage tanks are no longer in place at 232 East 7th Street in Hanford, California. If significant contamination is encountered, a SMP shall be prepared to outline procedures to establish appropriate process and control measures to ensure contaminated soils are managed safely and in accordance with all applicable environmental requirements.	Less Than Significant	Project Applicant	Prior to issuance of a grading permit
Threshold 4.9 c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<b>MM HAZ-4</b> Prior to the issuance of a demolition permit for the structures on site, the project applicant shall ensure that ACM and LBP surveys are completed. ACM and LBP materials, if present, shall be properly removed and disposed of (in accordance with all applicable laws and regulations) prior to demolition of onsite structures.	Less Than Significant	Project Applicant	Prior to issuance of a demolition permit



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
<b>Threshold 4.9 d)</b> Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<b>MMs HAZ-1</b> through <b>HAZ-3</b> as stated above are the recommended action for this threshold section.	Less Than Significant	Refer to mitigation measures HAZ-1 through HAZ-3 above.	Refer to mitigation measures HAZ-1 through HAZ-3 above.
Noise				
<b>Threshold 4.13 a)</b> Would the project generate substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<b>MM N-1</b> If surrounding residents or businesses complain of excessive noise during construction, then the construction contractor will conduct noise monitoring in the residential or commercial area of concern during the suspected noise- producing construction activities. If the monitored noise levels exceed background levels by 5 dBA or more, then the construction contractor will mitigate noise levels using temporary noise shields, noise barriers or other mitigation measures to comply with those restrictions or standards. (See below.)	Less Than Significant	Construction Contractor	During project construction



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
Threshold 4.13 a) Would the project generate substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<ul> <li>MM N-2 The construction contractor will use the following source controls, except where not physically feasible:</li> <li>Use of noise-producing equipment will be limited to the interval from 7 a.m. to 6 p.m., Monday through Friday.</li> <li>For all noise producing equipment, use types and models that have the lowest horsepower and the lowest noise generating potential practical for their intended use.</li> <li>The construction contractor will ensure that all construction equipment, fixed or mobile, is properly operating (tuned-up) and lubricated, and that mufflers are working adequately.</li> <li>Have only necessary equipment onsite.</li> <li>Use manually-adjustable or ambient sensitive backup alarms</li> </ul>	Less Than Significant	Construction Contractor	During project construction
Threshold 4.13 a) Would the project generate substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<ul> <li>MM N-3 The contractor will use the following path controls, except where not physically feasible:</li> <li>Install portable noise barriers, including solid structures and noise blankets, between the active noise sources and the nearest noise receivers.</li> <li>Temporarily enclose localized and stationary noise sources.</li> <li>Store and maintain equipment, building materials, and waste materials as far as practical from as many sensitive receivers as practical.</li> </ul>	Less Than Significant	Construction Contractor	During project construction



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
Threshold 4.13 a) Would the project generate substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<b>MM N-4</b> Advance notice of the start of construction shall be delivered to all noise sensitive receivers adjacent to the project area. The notice shall state specifically where and when construction activities will occur, and provide contact information for filing noise complaints with the contractor and the City.	Less Than Significant	Construction Contractor	Prior to project construction
Transportation			I	
Threshold 4.17 a) Would the project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<ul> <li>MM TRANS-1</li> <li>Prior to the issuance of a demolition or grading permit, the project applicant shall prepare and implement a Construction Management Plan subject to approval by the City of Hanford. The Plan shall include but is not limited to the following provisions:</li> <li>a) Identification of permitted hours for construction related deliveries and removal of heavy equipment and material;</li> <li>b) Identification of where construction workers would park their personal vehicles during project construction with a requirement that at no time shall construction worker vehicles block any driveways. If complaints are received by the project applicant regarding issues with construction worker vehicle parking, the project applicant shall identify alternative parking options for construction workers</li> </ul>	Less than Significant	Project Applicant	Prior to the issuance of a demolition or grading permit



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
	so as not to interfere with adjacent commercial and residential parking availability.			
	<ul> <li>c) Identification of how emergency access to and around the project site will be maintained during project construction.</li> </ul>			
	<ul> <li>d) Identification of haul routes for delivery or removal of heavy and/or oversized equipment or material loads. Where feasible, delivery or removal of oversized equipment or material loads shall be conducted during off-peak hour traffic periods.</li> </ul>			
	<ul> <li>e) Maintain access to residence and business driveways in the immediate vicinity of the proposed project site at all times.</li> </ul>			
	<ul> <li>f) Maintain pedestrian connections around the project site and safe crossing locations shall be considered for all pedestrian detours</li> </ul>			
	g) Maintain the security of the project site by erecting temporary fencing during the construction phase of the project. Any onsite night lighting used during the construction phase of the project shall be in compliance with City of Hanford lighting requirements.			
<b>Threshold 4.17 a)</b> Would the project conflict with a program plan, ordinance or policy	<b>MM TRANS-2</b> As the final site plan is developed, the project applicant shall provide sidewalk and intersection crossing design treatments consistent with City of Hanford requirements and that consider the	Less than Significant	Project Applicant	As the final site plan is developed



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	expected pedestrian flows around the project site and to connecting streets. These plans shall be submitted to the City of Hanford for review.			
Threshold 4.17 a) Would the project conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<b>MM TRANS-3</b> Prior to the issuance of an occupancy permit for the proposed transit station, pedestrian wayfinding shall be provided along the path of travel between the transit center and the Amtrak station.	Less than Significant	Project Applicant	Prior to the issuance of an occupancy permit for the proposed transit station
<b>Threshold 4.17 d)</b> Would the project result in inadequate emergency access?	Refer to mitigation measure <b>TRANS-1</b> above.	Less than Significant	Project Applicant	Prior to the issuance of a demolition or grading permit
Tribal and Cultural Resourc	es			
Threshold 4.18 a) ii) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place,	<b>MM TCR-1</b> If unanticipated discoveries are made during project construction, all work shall stop within a 30-foot radius of the discovery. The Kings County Area Public Transit Agency shall hire a qualified archeologist to assess the discovery. Work shall not continue until the discovery has been evaluated by a qualified archaeologist and the local Native American representative has been contacted and consulted to assist in the accurate recordation and recovery of the resources.	Less Than Significant	Project Applicant	During Construction



Issue Area	Mitigation Measures	Level of Significance After Mitigation	Responsible Party / Monitoring Party	Implementation Stage
or object with cultural value				
to a California Native				
American tribe, and that is: A				
resource determined by the				
lead agency, in its discretion				
and supported by substantial				
evidence, to be significant				
pursuant to criteria set forth in subdivision (c) of Public				
Resources Code Section				
5024.1. In applying the				
criteria set forth in				
subdivision (c) of Public				
Resource Code Section				
5024.1, the lead agency shall				
consider the significance of				
the resource to a California				
Native American tribe?				