Appendix D

Bridle Gate Project

Health Risk Assessment

Prepared For

The City of Brentwood

May 2020

Prepared by

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References

1. Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines*. May 2017.
2. Bay Area Air Quality Management District. *Permitted Stationary Sources Risk and Hazards. Accessed January 2020.*
3. California Air Resources Board. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005.
4. California Air Resources Board. *User Manual for the Hotspots Analysis and Reporting Program Health Risk Assessment Standalone Tool, Version 2*. March 17, 2015.
5. California Air Resources Board. *Mobile Source Emissions Inventory – Modeling Tools*. Available at https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools. Accessed December 2019.California Office of Environmental Health Hazard Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments*. February 2015.
6. Caltrans. *2017 Traffic Volumes*. Available at: https://dot.ca.gov/programs/traffic-operations/census/traffic-volumes/2017/route-2-4. Accessed December 2019.
7. Caltrans. *Traffic Census Program*. Available at: https://dot.ca.gov/programs/traffic-operations/census. Accessed December 2019.
8. U.S. Environmental Protection Agency. *User's Guide for the AMS/EPA Regulatory Model – AERMOD*. September 2004.

Introduction

This Health Risk Assessment (HRA) has been prepared for the City of Brentwood to address the potential health risks to future receptors at the proposed Bridle Gate project site. In particular, health risks related to emissions from diesel-fueled vehicles along the nearby State Route (SR) 4 have been analyzed for the proposed residential and school uses.

Project Description

The proposed project would include subdivision of the site to construct 252 single-family homes and a 258-unit apartment complex. Single-family lot sizes would range from 4,500 to 16,912 square feet (sf). An 11.35-acre parcel within the central portion of the site may be sold to the Brentwood Union School District for development of an elementary school. If the 11.35-acre parcel is not used for development of an elementary school, that portion of the site would instead be developed with an additional 63 single-family residences. Two parcels within the project site, totaling 4.3 acres, would be dedicated to the City of Brentwood for use as a public park. Lastly, future development of portions of the site designated for regional commercial uses are anticipated to be built out with approximately 199,940 sf of commercial development.

Project Background

On June 6, 2006, the City of Brentwood Planning Commission approved the first version of the Bridle Gate subdivision map. Commensurate with that approval, an IS/MND was adopted, which identified that all impacts resulting from the project could be reduced to a less-than-significant level with implementation of mitigation measures.

The currently proposed version of the project includes a number of substantial differences from the original application. The differences have triggered the need for the preparation of an updated Initial Study, which identified that preparation of an Environmental Impact Report would be necessary.

Purpose of the HRA

Toxic Air Contaminants (TACs) are a category of environmental concern. Health risks from TACs are a function of both the concentration of emissions and the duration of exposure, which typically are associated with long-term exposure and the associated risk of contracting cancer. Health effects of exposure to TACs other than cancer include birth defects, neurological damage, and death. Because chronic exposure can result in adverse health effects, TACs are regulated at the regional, State, and federal level. The identification, regulation, and monitoring of TACs is relatively new compared to that for criteria air pollutants that have established ambient air quality standards. TACs are regulated or evaluated on the basis of risk to human health rather than comparison to an ambient air quality standard or emission-based threshold.

Elderly individuals, children, individuals with already compromised immune systems, and pregnant women are the most susceptible to the adverse health effects of TAC exposure. Accordingly, land uses that are typically associated with the aforementioned susceptible groups, such as residences, schools, childcare centers, playgrounds, retirement homes, convalescent homes, hospitals, and medical clinics, are considered to be sensitive receptors. As such, implementation of the proposed project would result in new receptors residing at the project site and potentially attending school there as well.

In recognition of the vulnerability of children and other receptors to adverse health effects from TAC exposures, CEQA Guidelines Section 15186 establish requirements for environmental

impact reports (EIRs) that analyze projects which include the purchase of a school site or construction of a secondary or elementary school project. In particular, CEQA Guidelines Section 15186 specifies that EIRs concerning school sites must contain sufficient information to determine whether the proposed school site is within 500 feet of the edge of the closest traffic lane of a freeway, and, if the school site is within 500 feet of the edge of the closest traffic lane of a freeway, whether the air quality at the proposed site would result in short- or long-term health risks to pupils at the school.

Development of Parcel H within the project site (shown in Figure 1 below) may include development of an elementary school or single-family residences. In either case, the closest boundary of Parcel H to State Route (SR) 4 is separated by approximately 700 feet. Although SR 4 is considered a freeway, because Parcel H is outside of the CEQA Guidelines Section 15186 specified distance of 500 feet, a detailed HRA of the potential risk to students at the school site is not required under CEQA. Despite such an HRA not being required per CEQA Guidelines, in the interest of protecting public health and facilitating full public disclosure, the City of Brentwood has determined that an HRA for future pupils at the proposed school site should be conducted. Consequently, this HRA seeks to determine the potential health risks posed by operations of SR 4 on pupils attending the potential on-site school.

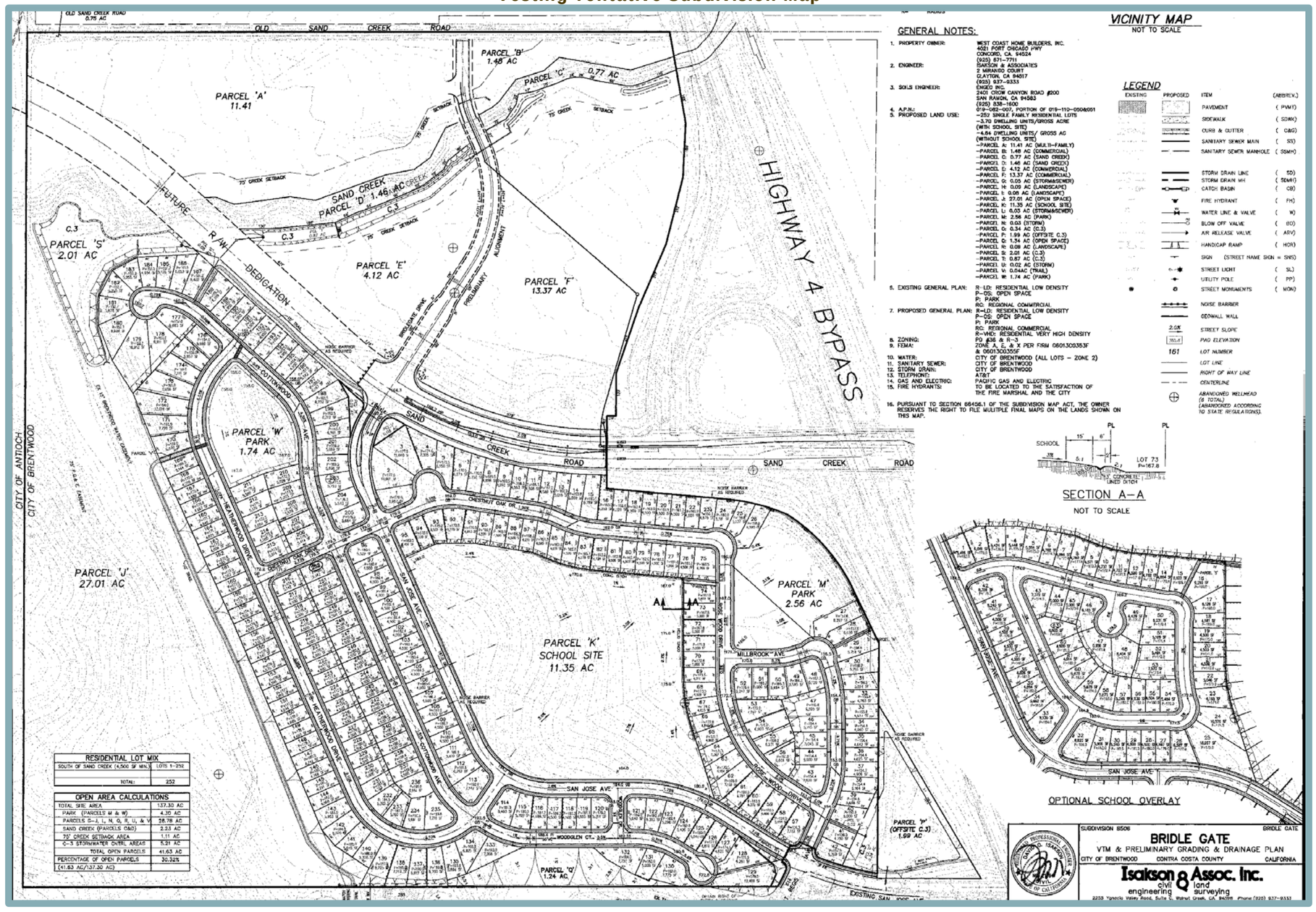
Focus of the HRA

In terms of health risks, the most volatile contaminants released through operations of SR 4 are diesel particulate matter (DPM), benzene, formaldehyde, 1,3-butadiene and acetaldehyde. Gasoline vapors contain several TACs, including benzene, toluene, and xylenes. Diesel engines emit a complex mixture of air pollutants, including both gaseous and solid material. The solid material in diesel exhaust is known as DPM, which is composed of carbon particles and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of such chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene. Diesel exhaust also contains gaseous pollutants, including volatile organic compounds and NO_X. During the process of diesel combustion, the solid particles often become coated by and absorb most of the 40 cancer-causing substances. Because DPM includes chemical constituents absorbed by the particulate matter, DPM causes health impacts related to both the physical irritation caused by carbon particles and the transport of other chemicals that have been absorbed by or are coating the carbon particles.

More than 90 percent of DPM is less than one micrometer in diameter, and, thus, DPM is a subset of $PM_{2.5}$. Due to the published evidence of a relationship between diesel exhaust exposure and lung cancer and other adverse health effects, the California Air Resources Board (CARB) has identified DPM from diesel-fueled engines as a TAC.

Due to the high levels of diesel activity, high volume freeways, stationary diesel engines, and facilities attracting heavy and constant diesel vehicle traffic are identified as having the highest associated health risks from DPM. Most major sources of diesel emissions, such as ships, trains, and trucks, operate in and around ports, rail yards, and heavily traveled roadways. Such areas are often located near highly populated areas. Thus, elevated DPM levels are mainly an urban problem, with large numbers of people exposed to higher DPM concentrations, resulting in greater health consequences compared to rural areas.

Figure 1
Vesting Tentative Subdivision Map



The CARB evaluated sources of TACs, including DPM, and provides recommendations for siting new sensitive land uses near existing major sources of TAC emissions in their *Air Quality and Land Use Handbook: A Community Health Perspective* (Handbook).[1] The CARB's Handbook identified high volume roadways and freeways as potential sources of DPM, and, as noted previously, CEQA Guidelines further specify that the siting of schools near freeways necessitates further review if such sites are within 500 feet of the freeway. While CEQA Guidelines provide specific recommendations for schools, the CARB's Handbook similarly advises that sensitive receptors be separated by 500 feet from freeways experiencing vehicle volumes in excess of 100,000 vehicles per day. The portions of SR 4 nearest the project site experienced vehicle volumes between approximately 77,200 and 107,700 vehicles per day during the year 2017, the most recent year that such data is available. Considering the volume of vehicles traveling along SR 4 in proximity to the project site, the HRA prepared for the proposed project focuses on potential health risks posed to new receptors at the project site due to operations of SR 4.

It should be noted that although Parcel H is more than 500 feet from the edge of SR 4, proposed residences would be located within 500 feet of SR 4. Furthermore, the potential exists that future residents at residences near SR 4 may also attend school at the proposed school within the project site. The potential for students to both reside and attend school within the project site could result in exposure of receptors to pollutants from SR 4, both at school and at home.

Standards of Significance

The proposed project is located within the jurisdictional boundaries of the Bay Area Air Quality Management District (BAAQMD), which is the agency responsible for local air quality management in the project area. According to the BAAQMD, exposure of the public to TACs from new stationary sources in excess of the following thresholds would be considered a significant project-level impact:

- Non-compliance with a qualified risk reduction plan; or
- An excess cancer risk level of more than 10 in one million, or a non-cancer (i.e., chronic or acute) hazard index greater than 1.0 would be a cumulatively considerable contribution; or
- An incremental increase of greater than 0.3 micrograms per cubic meter ($\mu g/m^3$) annual average $PM_{2.5}$ would be a cumulatively considerable contribution.[2]

In addition to the project-level thresholds presented above, the BAAQMD further stipulates that a project would have a cumulatively considerable impact if the aggregate total of all past, present, and foreseeable future sources within a 1,000 foot radius from the fence line of a source plus the contribution from the project, exceeds the following:

- Non-compliance with a qualified risk reduction plan; or
- An excess cancer risk levels of more than 100 in one million or a chronic non-cancer hazard index (from all local sources) greater than 10.0; or
- 0.8 $\mu g/m^3$ annual average $PM_{2.5}$.[3]

Both BAAQMD's project-level and cumulative thresholds presented above are intended for use in analyzing potential impacts to existing receptors resulting from the placement of new stationary

[1] California Air Resources Board. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005.
[2] Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines*. May 2017.
[3] Bay Area Air Quality Management District. *California Environmental Quality Act Air Quality Guidelines*. May 2017.

sources of TACs. In the case of the proposed project, project operations are not anticipated to result in significant TAC emissions. Instead, the focus of this HRA is on the effect of existing sources of TACs on the proposed project. Furthermore, the existing source of TACs, namely SR 4, is not a stationary source of TACs, but rather a congregation of mobile sourced TAC emissions from vehicles traveling along SR 4. BAAQMD does not maintain thresholds of significance specifically for the analysis of mobile sources. Due to the lack of significance thresholds specifically intended for use in analyzing the health impacts resulting from existing mobile sourced emissions, the BAAQMD's thresholds for new stationary sources will be applied to analyze health risks from SR 4 on receptors at the project site.

Method of Analysis

The $PM_{2.5}$ (assumed to encompass both DPM and UFP) concentration associated with the operation of SR 4, at the maximally exposed sensitive receptor on the project site has been estimated using the American Meteorological Society/Environmental Protection Agency (AMS/EPA) Regulatory Model (AERMOD) dispersion model. The associated cancer risk and non-cancer hazard index were calculated using the CARB's Hotspot Analysis Reporting Program Version 2 (HARP 2) Risk Assessment Standalone Tool (RAST),[4] which calculates the cancer and non-cancer health impacts using the risk assessment guidelines of the 2015 Office of Environmental Health Hazard Assessment (OEHHA) Guidance Manual for Preparation of Health Risk Assessments.[5] The modeling was performed in accordance with the U.S. Environmental Protection Agency's (USEPA) *User's Guide for the AMS/EPA Regulatory Model – AERMOD*[6] and the 2015 OEHHA Guidance Manual.

To ensure a conservative approach to the analysis, the HRA assumes that the maximally exposed receptor would be reside in proximity to SR 4 and attend school at the proposed elementary school site. DPM is a highly dispersive gas; thus, concentrations of DPM from SR 4 would vary throughout the project site, with concentrations generally declining with increased distance from SR 4. Consequently, a receptor that both resides and attends school within the project site would experience varying levels of DPM concentrations at each location. For instance, a receptor residing on the eastern edge of the project site, nearest to SR 4, would experience higher DPM concentrations at home and relatively lower concentrations at the proposed school site. Although concentrations of DPM within the site would vary, to provide a worst-case analysis, the maximally exposed receptor was assumed to experience the same level of exposure at home and at school.

All emissions modeling completed for this HRA is included in the appendix to this HRA.

SR 4 Operations

According to Caltrans, the portion of SR 4 in proximity to the project site experiences annual average daily traffic (AADT) of approximately 107,700 vehicles north of Sand Creek Road and approximately 77,200 vehicles south of Sand Creek Road.[7] The CARB has developed the EMFAC emissions model for use in assessing emissions from on-road vehicles including cars,

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4 California Air Resources Board. *User Manual for the Hotspots Analysis and Reporting Program Health Risk Assessment Standalone Tool, Version 2*. March 17, 2015.

5 Office of Environmental Health Hazard Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments* [pg. 8-18]. February 2015.

6 U.S. Environmental Protection Agency. *User's Guide for the AMS/EPA Regulatory Model – AERMOD*. September 2004.

7 Caltrans. *2017 Traffic Volumes*. Available at: https://dot.ca.gov/programs/traffic-operations/census/traffic-volumes/2017/route-2-4. Accessed December 2019.

trucks, and buses in the state.[8] Vehicle emissions for Contra Costa County were calculated using EMFAC for the proposed project's first operational year of 2020. According to Caltrans, diesel-fueled vehicles make up approximately 15 percent of vehicles traveling on SR 4 would be diesel fueled, thus, constituting sources of DPM.[9] Based on the Traffic Impact Study, project-related trips were added to the 2017 AADT to account for increased vehicle traffic on SR 4related to project operations. The total emissions rates from existing traffic on SR 4 and traffic from the proposed project were estimated using EMFAC data. The vehicle traffic on SR 4 was modeled in AERMOD as a series of line sources located in proximity to the project site.

On-site Receptors

A receptor grid using flagpole receptors was applied to AERMOD over all areas identified for residential or educational uses. Ground-level receptors were set to a flagpole height of 1.8 meters, representing the average height of an adult human.

HRA Results

According to the AERMOD, the maximum annual average and maximum one-hour DPM concentrations at the maximally exposed future resident on the project site were estimated to be 0.00004 µg/m^3 and 0.00620 µg/m^3, respectively. After applying the DPM concentration to the HARP 2 RAST model, the corresponding increase in cancer risk and non-cancer hazard index at the maximally exposed future resident were estimated as presented in Table 1 below.

Table 1
Maximum Cancer Risk and Hazard Index Associated with SR 4

	Cancer Risk (per million persons)	Acute Hazard Index	Chronic Hazard Index
At Maximally Exposed Receptor	0.04	0.00	0.00
Thresholds of Significance	*10*	*1.0*	*1.0*
Exceed Thresholds?	**NO**	**NO**	**NO**

Sources: AERMOD and HARP 2 RAST, January 2020 (see appendix).

As shown in Table 1, DPM emissions from operations of SR 4 would not expose future residents to a hazard index above the BAAQMD's project-level thresholds of significance being applied to the proposed project.

Cumulative Health Risks

During the course of this analysis, BAAQMD staff provided information related to all stationary sources that were permitted in 2018. According to BAAQMD data one existing source of TAVCs other than SR 4 exists within the area of the project site. The existing source is a generator located within the commercial development to the east of the project site, across SR 4 and south of Sand Creek. BAAQMD recommends consideration of cumulative sources within 1,000 feet of a project site. The generator to the east of the project site is more than 1,000 feet from the proposed school site, and, as such, would not be anticipated to result in any health risks to future students. Furthermore, the health risks reported by BAAQMD for the generator are health risks in close

[8] California Air Resources Board. *Mobile Source Emissions Inventory – Modeling Tools*. Available at https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/msei-modeling-tools. Accessed December 2019.

[9] Caltrans. *Traffic Census Program*. Available at: https://dot.ca.gov/programs/traffic-operations/census. Accessed December 2019.

proximity to the source. Because the generator is separated from the project site by over 1,000 feet, health risks at the project site resulting from generator emissions would be less than the health risks reported by BAAQMD. Nevertheless, for informational purposes the combined health risks of SR 4 and the existing generator are presented in Table 2 below.

Table 2
Maximum Cumulative Cancer Risk and Hazard Index at Maximally Exposed Receptor

	Cancer Risk (per million persons)	Acute Hazard Index	Chronic Hazard Index
SR 4 Health Risk	0.04	0.00	0.00
Off-Site Generator Health Risk	4.63	0.01	0.01
Cumulative Health Risk	4.67	0.01	0.01
Thresholds of Significance	*100*	*10.0*	*10.0*
Exceed Thresholds?	**NO**	**NO**	**NO**

Sources:
- ***AERMOD and HARP 2 RAST, January 2020 (see appendix).***
- ***BAAQMD. Permitted Stationary Sources Risk and Hazards. Accessed January 2020.***

As shown in Table 2, even under the highly conservative assumption that on-site receptors would experience the maximum health risks related to the off-site generator, the cumulative health risk to the maximally exposed receptor on-site would be well below the BAAQMD's applicable cumulative-level threshold.

Appendix

AERMOD and HARP 2 RAST Modeling Outputs

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	Bridle Gate
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\USERS\JBYRNE\DESKTOP\TRAVIS~1\745160\745160.SFC
ME	PROFFILE	Profile met file	C:\USERS\JBYRNE\DESKTOP\TRAVIS~1\745160\745160.PFL
ME	SURFDATA	Surf met data info.	23202 2009
ME	UAIRDATA	U-Air met data info.	23230 2009
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	18.9
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU	DAYTABLE	Print summary opt.	

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height
			East (m)	North (m)	(m)			(m)
SR4NRTH	LINE	SR 4 North	610572.2	4200296.4	0	0.0000000000642681	(g/s-m**2)	2.25
SR4STH	LINE	SR 4 South	610573	4200295.1	0	0.0000000000365867	(g/s-m**2)	2.25

EPA Line Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	End X	End Y	Width	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s-m**2)	(m)	(m)	(m)	(m)	(m)
SR4NRTH	SR 4 North	610572.2	4200296.4	0	0.0000000000642681	2.25	62	1.05	610299.3	4201078
SR4STH	SR 4 South	610573	4200295.1	0	0.0000000000365867	2.25	62	1.05	610900.1	4199446

BREEZE AERMOD Model Results

Max. Annual (5 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
			East (m)	North (m)	(m)	(m)	(m)		
ALL	1ST	0.00004	610516.90	4200208.00	0.00	0.00	1.80	DC	
	2ND	0.00004	610521.90	4200198.00	0.00	0.00	1.80	DC	
	3RD	0.00004	610526.90	4200188.00	0.00	0.00	1.80	DC	
	4TH	0.00004	610516.90	4200203.00	0.00	0.00	1.80	DC	
	5TH	0.00004	610531.90	4200178.00	0.00	0.00	1.80	DC	
	6TH	0.00004	610536.90	4200168.00	0.00	0.00	1.80	DC	
	7TH	0.00004	610521.90	4200193.00	0.00	0.00	1.80	DC	
	8TH	0.00004	610511.90	4200208.00	0.00	0.00	1.80	DC	
	9TH	0.00004	610541.90	4200158.00	0.00	0.00	1.80	DC	
	10TH	0.00004	610546.90	4200148.00	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev.	Hill Ht.	Flag Ht.	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)	(m)	(m)	(m)		
1-HR	ALL	1ST	Avg. Conc.	0.00620	ug/m**3	12123123	610521.90	4200198.00	0.00	0.00	1.80	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
5	Warning Message(s)
5334	Informational Message(s)
43872	Hours Were Processed
3700	Calm Hours Identified
1634	Missing Hours Identified (3.72 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H
WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
WARNING	MX	W481	Data Remaining After End of Year. Number of Hours= 48

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1		9901	DieselExhP	0.00004	0.0062	0	0	0

*HARP - HRACalc v19044 1/9/2020 1:03:39 PM - Cancer Risk - Input File: C:\Users\jbyrne\Desktop\Bridle Gate HARP\No Fraction of Time_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_RISK	MMILK_RISK	WATER_RISK
1			9901	DieselExhPM	4.00E-05	3.54E-08	30YrCancerHighEnd_Inh	*	3.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00

FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/9/2020 1:03:39 PM - Acute Risk - Input File: C:\Users\jbyrne\Desktop\Bridle Gate HARP\No Fraction of Time_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1			9901	DieselExhPM	0.0062	NonCancerAcute	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v19044 1/9/2020 1:03:39 PM - Chronic Risk - Input File: C:\Users\jbyrne\Desktop\Bridle Gate HARP\No Fraction of Time_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL
1			9901	DieselExhPM	4.00E-05	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE
8.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.00E-05	0.00E+00	0.00E+00	0.00E+00

WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE	1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00

1	2	3	4	5	6	7	8	9	10
POL	POLABBREV	InhalationCancerURF	InhalationCancerSlopeFactor	OralCancerSlopeFactor	AcuteREL	InhalationChronicREL	OralChronicREL	IsMultipathway	AcuteCV_
9901	DieselExhPM	0.0003	1.1			5		FALSE	FALSE

11	12	13	14	15	16	17	18	19	20
AcuteCNS_	AcuteIMMUN_	AcuteKIDNEY_	AcuteGILV_	AcuteREPRO_DEVEL_	AcuteRESP_	AcuteSKIN_	AcuteEYE_	AcuteBONE_TEETH_	AcuteENDO_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

21	22	23	24	25	26	27	28	29	30
AcuteBLOOD_	AcuteODOR_	AcuteGENERAL_	InhalationChronicCV_	InhalationChronicCNS_	InhalationChronicIMMUN_	InhalationChronicKIDNEY_	InhalationChronicGILV_	InhalationChronicREPRO_DEVEL_	InhalationChronicRESP_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE

31	32	33	34	35	36	37	38	39	40
InhalationChronicSKIN_	InhalationChronicEYE_	InhalationChronicBONE_TEETH_	InhalationChronicENDO_	InhalationChronicBLOOD_	InhalationChronicODOR_	InhalationChronicGENERAL_	OralChronicCV_	OralChronicCNS_	OralChronicIMMUN_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

41	42	43	44	45	46	47	48	49	50
OralChronicKIDNEY_	OralChronicGILV_	OralChronicREPRO_DEVEL_	OralChronicRESP_	OralChronicSKIN_	OralChronicEYE_	OralChronicBONE_TEETH_	OralChronicENDO_	OralChronicBLOOD_	OralChronicODOR_
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

51	52	53	54	55	56	57	58	59	60
OralChronicGENERAL_	PathwayInhalation	PathwayDrinking	PathwayFood	PathwayCrop	PathwayExposed	PathwayLeafy	PathwayProtected	PathwayRoot	PathwayDairy
FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

61	62	63	64	65	66	67	68	69	70
PathwayMeatEggs	PathwaySoilIngestion	PathwayFish	PathwayDermal	PathwayMothersMilk	SoilUptakeFactorLeafy	SoilUptakeFactorExposed	SoilUptakeFactorProtected	SoilUptakeFactorRoot	FoodTcoMilk
FALSE	FALSE	FALSE	FALSE	FALSE					

71	72	73	74	75	76	77	78	79	80
FoodTcoEgg	FoodTcoChicken	FoodTcoBeef	FoodTcoPig	HalfLifeInSoil	GRAF	FishBCF	MolWtCorrection	DermalAbsorptionFactor	InhalationChronicREL_8HR
							1		

81	82	83	84	85	86	87	88	89	90
InhalationChronicCV_8HR	InhalationChronicCNS_8HR	InhalationChronicIMMUN_8HR	InhalationChronicKIDNEY_8HR	InhalationChronicGILV_8HR	InhalationChronicREPRO_DEVEL_8HR	InhalationChronicRESP_8HR	InhalationChronicSKIN_8HR	InhalationChronicEYE_8HR	InhalationChronicBONE_TEETH_8HR
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

91	92	93	94	95	96	97
InhalationChronicENDO_8HR	InhalationChronicBLOOD_8HR	InhalationChronicODOR_8HR	InhalationChronicGENERAL_8HR	Tco_InhMM	Tco_OralMM	RChem_Group_HV
FALSE	FALSE	FALSE	FALSE			

Appendix E

Bridle Gate Housing Only Scenario Year 2026 - Unmitigated

Bridle Gate Housing Alternative

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61

tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2924	2.8654	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9765	472.9765	0.1379	0.0000	476.4238
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4594	1,549.4594	0.1111	0.0000	1,552.2369
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5770	1,534.5770	0.1098	0.0000	1,537.3212
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4594**	**1,549.4594**	**0.2304**	**0.0000**	**1,552.2369**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2924	2.8653	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9760	472.9760	0.1379	0.0000	476.4233
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4590	1,549.4590	0.1111	0.0000	1,552.2365
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5766	1,534.5766	0.1098	0.0000	1,537.3208
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4590**	**1,549.4590**	**0.2304**	**0.0000**	**1,552.2365**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5180	0.5180
11	**1-1-2023**	**3-31-2023**	1.9592	1.9592
12	**4-1-2023**	**6-30-2023**	1.9951	1.9951
13	**7-1-2023**	**9-30-2023**	2.0170	2.0170
14	**10-1-2023**	**12-31-2023**	2.0333	2.0333
15	**1-1-2024**	**3-31-2024**	1.9599	1.9599
16	**4-1-2024**	**6-30-2024**	1.9448	1.9448
17	**7-1-2024**	**9-30-2024**	1.9662	1.9662
18	**10-1-2024**	**12-31-2024**	1.9815	1.9815
19	**1-1-2025**	**3-31-2025**	0.7256	0.7256
		Highest	2.0333	2.0333

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4916	0.1062	7.9889	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2052
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	957.8241	957.8241	0.0832	0.0226	966.6421
Mobile	2.7008	12.6581	28.1328	0.1110	10.7064	0.0900	10.7964	2.8727	0.0838	2.9565	0.0000	10,223.3019	10,223.3019	0.3518	0.0000	10,232.0979
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	42.4067	59.2171	1.7321	0.0419	115.0105
Total	**10.2303**	**13.0892**	**36.2666**	**0.1207**	**10.7064**	**0.6629**	**11.3693**	**2.8727**	**0.6567**	**3.5295**	**217.0092**	**11,245.7297**	**11,462.7389**	**10.9441**	**0.0677**	**11,756.5083**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6608	0.0831	4.3721	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5900e-003	7.0000e-004	45.6782
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	957.8241	957.8241	0.0832	0.0226	966.6421
Mobile	2.7008	12.6581	28.1328	0.1110	10.7064	0.0900	10.7964	2.8727	0.0838	2.9565	0.0000	10,223.3019	10,223.3019	0.3518	0.0000	10,232.0979
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	42.4067	59.2171	1.7321	0.0419	115.0105
Total	**7.3995**	**13.0661**	**32.6498**	**0.1135**	**10.7064**	**0.1430**	**10.8494**	**2.8727**	**0.1368**	**3.0095**	**163.5546**	**11,268.8125**	**11,432.3672**	**10.8471**	**0.0652**	**11,722.9812**

	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	N20	CO2e
Percent Reduction	**27.67**	**0.18**	**9.97**	**5.98**	**0.00**	**78.43**	**4.57**	**0.00**	**79.17**	**14.73**	**24.63**	**-0.21**	**0.26**	**0.89**	**3.62**	**0.29**

3.0 Construction Detail

Construction Phase

Bridle Gate Housing Alternative - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7008	12.6581	28.1328	0.1110	10.7064	0.0900	10.7964	2.8727	0.0838	2.9565	0.0000	10,223.3019	10,223.3019	0.3518	0.0000	10,232.0979
Unmitigated	2.7008	12.6581	28.1328	0.1110	10.7064	0.0900	10.7964	2.8727	0.0838	2.9565	0.0000	10,223.3019	10,223.3019	0.3518	0.0000	10,232.0979

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	7,045,226
Total	14,930.67	14,930.67	14,930.67	28,779,175	28,779,175

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate Housing Alternative - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	582.7352	582.7352	0.0760	0.0157	589.3243
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	582.7352	582.7352	0.0760	0.0157	589.3243
NaturalGas Mitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179
NaturalGas Unmitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.59708e+006	261.8137	0.0342	7.0700e-003	264.7740
Total		**582.7352**	**0.0760**	**0.0157**	**589.3243**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.59708e+006	261.8137	0.0342	7.0700e-003	264.7740
Total		**582.7352**	**0.0760**	**0.0157**	**589.3243**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.6608	0.0831	4.3721	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5900e-003	7.0000e-004	45.6782
Unmitigated	7.4916	0.1062	7.9889	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2052

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1218					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5285	0.0561	3.6308	7.4300e-003		0.5226	0.5226		0.5226	0.5226	53.4546	15.0681	68.5227	0.0977	3.1500e-003	71.9047
Landscaping	0.1315	0.0502	4.3580	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8600e-003	0.0000	7.3006
Total	**7.4916**	**0.1062**	**7.9889**	**7.6600e-003**		**0.5467**	**0.5467**		**0.5467**	**0.5467**	**53.4546**	**22.1971**	**75.6516**	**0.1045**	**3.1500e-003**	**79.2052**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.8500e-003	0.0329	0.0140	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.1509	38.1509	7.3000e-004	7.0000e-004	38.3776
Landscaping	0.1315	0.0502	4.3580	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8600e-003	0.0000	7.3006
Total	**4.6608**	**0.0831**	**4.3721**	**4.4000e-004**		**0.0268**	**0.0268**		**0.0268**	**0.0268**	**0.0000**	**45.2799**	**45.2799**	**7.5900e-003**	**7.0000e-004**	**45.6782**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	59.2171	1.7321	0.0419	115.0105
Unmitigated	59.2171	1.7321	0.0419	115.0105

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	21.3705 / 13.4727	23.1909	0.6985	0.0169	45.6853
Total		**59.2171**	**1.7321**	**0.0419**	**115.0105**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	21.3705 / 13.4727	23.1909	0.6985	0.0169	45.6853
Total		**59.2171**	**1.7321**	**0.0419**	**115.0105**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	146.7442	8.6723	0.0000	363.5525
Unmitigated	146.7442	8.6723	0.0000	363.5525

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

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

11.0 Vegetation

Bridle Gate Housing Alternative

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61

tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	17.2564	67.9523	159.4747	0.6441	61.1174	0.4940	61.6114	16.3464	0.4602	16.8066		65,377.5379	65,377.5379	2.1276		65,430.7270
Total	**491.4170**	**79.1803**	**788.4921**	**1.7560**	**61.1174**	**82.9710**	**144.0885**	**16.3464**	**82.9373**	**99.2837**	**8,843.7734**	**70,712.4132**	**79,556.1866**	**13.4750**	**0.6659**	**80,091.4834**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	17.2564	67.9523	159.4747	0.6441	61.1174	0.4940	61.6114	16.3464	0.4602	16.8066		65,377.5379	65,377.5379	2.1276		65,430.7270
Total	**44.4146**	**76.2040**	**211.2083**	**0.6958**	**61.1174**	**1.3841**	**62.5015**	**16.3464**	**1.3503**	**17.6967**	**0.0000**	**75,280.5308**	**75,280.5308**	**2.3997**	**0.1800**	**75,394.1508**

	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	N20	CO2e
Percent Reduction	**90.96**	**3.76**	**73.21**	**60.38**	**0.00**	**98.33**	**56.62**	**0.00**	**98.37**	**82.18**	**100.00**	**-6.46**	**5.37**	**82.19**	**72.97**	**5.86**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Bridle Gate Housing Alternative - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.2564	67.9523	159.4747	0.6441	61.1174	0.4940	61.6114	16.3464	0.4602	16.8066		65,377.5379	65,377.5379	2.1276		65,430.7270
Unmitigated	17.2564	67.9523	159.4747	0.6441	61.1174	0.4940	61.6114	16.3464	0.4602	16.8066		65,377.5379	65,377.5379	2.1276		65,430.7270

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	7,045,226
Total	14,930.67	14,930.67	14,930.67	28,779,175	28,779,175

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Unmitigated	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**473.9530**	**9.4480**	**628.2231**	**1.1006**		**82.3336**	**82.3336**		**82.3336**	**82.3336**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3040**	**0.6243**	**12,381.7332**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**26.9506**	**6.4717**	**50.9393**	**0.0403**		**0.7466**	**0.7466**		**0.7466**	**0.7466**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2288**	**0.1384**	**7,684.4006**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61

tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.6348	70.4826	162.3191	0.6038	61.1174	0.4963	61.6137	16.3464	0.4624	16.8088		61,284.9268	61,284.9268	2.1909		61,339.6998
Total	**488.7955**	**81.7106**	**791.3365**	**1.7156**	**61.1174**	**82.9733**	**144.0908**	**16.3464**	**82.9395**	**99.2859**	**8,843.7734**	**66,619.8021**	**75,463.5755**	**13.5384**	**0.6659**	**76,000.4562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.6348	70.4826	162.3191	0.6038	61.1174	0.4963	61.6137	16.3464	0.4624	16.8088		61,284.9268	61,284.9268	2.1909		61,339.6998
Total	**41.7930**	**78.7343**	**214.0527**	**0.6554**	**61.1174**	**1.3864**	**62.5038**	**16.3464**	**1.3525**	**17.6989**	**0.0000**	**71,187.9197**	**71,187.9197**	**2.4631**	**0.1800**	**71,303.1236**

	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	N20	CO2e
Percent Reduction	**91.45**	**3.64**	**72.95**	**61.80**	**0.00**	**98.33**	**56.62**	**0.00**	**98.37**	**82.17**	**100.00**	**-6.86**	**5.67**	**81.81**	**72.97**	**6.18**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.6348	70.4826	162.3191	0.6038	61.1174	0.4963	61.6137	16.3464	0.4624	16.8088		61,284.9268	61,284.9268	2.1909		61,339.6998
Unmitigated	14.6348	70.4826	162.3191	0.6038	61.1174	0.4963	61.6137	16.3464	0.4624	16.8088		61,284.9268	61,284.9268	2.1909		61,339.6998

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	7,045,226
Total	14,930.67	14,930.67	14,930.67	28,779,175	28,779,175

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Unmitigated	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**473.9530**	**9.4480**	**628.2231**	**1.1006**		**82.3336**	**82.3336**		**82.3336**	**82.3336**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3040**	**0.6243**	**12,381.7332**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**26.9506**	**6.4717**	**50.9393**	**0.0403**		**0.7466**	**0.7466**		**0.7466**	**0.7466**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2288**	**0.1384**	**7,684.4006**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.68	0.46	1.68	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	41.25	99.61	97.17	99.49	99.49	100.00	-153.19	44.32	99.25	77.78	46.63
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.30	0.70		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Housing
Only Scenario
Year 2026 - Mitigated

Bridle Gate Housing Alternative (Mitigated)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (Mitigated) - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2924	2.8654	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9765	472.9765	0.1379	0.0000	476.4238
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4594	1,549.4594	0.1111	0.0000	1,552.2369
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5770	1,534.5770	0.1098	0.0000	1,537.3212
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4594**	**1,549.4594**	**0.2304**	**0.0000**	**1,552.2369**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2924	2.8653	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9760	472.9760	0.1379	0.0000	476.4233
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4590	1,549.4590	0.1111	0.0000	1,552.2365
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5766	1,534.5766	0.1098	0.0000	1,537.3208
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4590**	**1,549.4590**	**0.2304**	**0.0000**	**1,552.2365**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5180	0.5180
11	**1-1-2023**	**3-31-2023**	1.9592	1.9592
12	**4-1-2023**	**6-30-2023**	1.9951	1.9951
13	**7-1-2023**	**9-30-2023**	2.0170	2.0170
14	**10-1-2023**	**12-31-2023**	2.0333	2.0333
15	**1-1-2024**	**3-31-2024**	1.9599	1.9599
16	**4-1-2024**	**6-30-2024**	1.9448	1.9448
17	**7-1-2024**	**9-30-2024**	1.9662	1.9662
18	**10-1-2024**	**12-31-2024**	1.9815	1.9815
19	**1-1-2025**	**3-31-2025**	0.7256	0.7256
		Highest	2.0333	2.0333

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4916	0.1062	7.9889	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2052
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	957.8241	957.8241	0.0832	0.0226	966.6421
Mobile	2.7008	12.6581	28.1328	0.1110	10.7064	0.0900	10.7964	2.8727	0.0838	2.9565	0.0000	10,223.3019	10,223.3019	0.3518	0.0000	10,232.0979
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	42.4067	59.2171	1.7321	0.0419	115.0105
Total	**10.2303**	**13.0892**	**36.2666**	**0.1207**	**10.7064**	**0.6629**	**11.3693**	**2.8727**	**0.6567**	**3.5295**	**217.0092**	**11,245.7297**	**11,462.7389**	**10.9441**	**0.0677**	**11,756.5083**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6608	0.0831	4.3721	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5900e-003	7.0000e-004	45.6782
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	957.8241	957.8241	0.0832	0.0226	966.6421
Mobile	2.6570	12.4034	27.1387	0.1059	10.1711	0.0862	10.2573	2.7291	0.0803	2.8094	0.0000	9,759.7502	9,759.7502	0.3397	0.0000	9,768.2419
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	42.4067	59.2171	1.7321	0.0419	115.0105
Total	**7.3558**	**12.8114**	**31.6557**	**0.1084**	**10.1711**	**0.1392**	**10.3103**	**2.7291**	**0.1333**	**2.8624**	**163.5546**	**10,805.2609**	**10,968.8155**	**10.8350**	**0.0652**	**11,259.1252**

	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	N20	CO2e
Percent Reduction	**28.10**	**2.12**	**12.71**	**10.16**	**5.00**	**79.00**	**9.31**	**5.00**	**79.70**	**18.90**	**24.63**	**3.92**	**4.31**	**1.00**	**3.62**	**4.23**

3.0 Construction Detail

Construction Phase

Bridle Gate Housing Alternative (Mitigated) - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6570	12.4034	27.1387	0.1059	10.1711	0.0862	10.2573	2.7291	0.0803	2.8094	0.0000	9,759.7502	9,759.7502	0.3397	0.0000	9,768.2419
Unmitigated	2.7008	12.6581	28.1328	0.1110	10.7064	0.0900	10.7964	2.8727	0.0838	2.9565	0.0000	10,223.3019	10,223.3019	0.3518	0.0000	10,232.0979

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	6,692,965
Total	14,930.67	14,930.67	14,930.67	28,779,175	27,340,216

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate Housing Alternative (Mitigated) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	582.7352	582.7352	0.0760	0.0157	589.3243
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	582.7352	582.7352	0.0760	0.0157	589.3243
NaturalGas Mitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179
NaturalGas Unmitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.59708e+006	261.8137	0.0342	7.0700e-003	264.7740
Total		**582.7352**	**0.0760**	**0.0157**	**589.3243**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.59708e+006	261.8137	0.0342	7.0700e-003	264.7740
Total		**582.7352**	**0.0760**	**0.0157**	**589.3243**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.6608	0.0831	4.3721	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5900e-003	7.0000e-004	45.6782
Unmitigated	7.4916	0.1062	7.9889	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2052

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1218					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5285	0.0561	3.6308	7.4300e-003		0.5226	0.5226		0.5226	0.5226	53.4546	15.0681	68.5227	0.0977	3.1500e-003	71.9047
Landscaping	0.1315	0.0502	4.3580	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8600e-003	0.0000	7.3006
Total	**7.4916**	**0.1062**	**7.9889**	**7.6600e-003**		**0.5467**	**0.5467**		**0.5467**	**0.5467**	**53.4546**	**22.1971**	**75.6516**	**0.1045**	**3.1500e-003**	**79.2052**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.8500e-003	0.0329	0.0140	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.1509	38.1509	7.3000e-004	7.0000e-004	38.3776
Landscaping	0.1315	0.0502	4.3580	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8600e-003	0.0000	7.3006
Total	**4.6608**	**0.0831**	**4.3721**	**4.4000e-004**		**0.0268**	**0.0268**		**0.0268**	**0.0268**	**0.0000**	**45.2799**	**45.2799**	**7.5900e-003**	**7.0000e-004**	**45.6782**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	59.2171	1.7321	0.0419	115.0105
Unmitigated	59.2171	1.7321	0.0419	115.0105

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	21.3705 / 13.4727	23.1909	0.6985	0.0169	45.6853
Total		**59.2171**	**1.7321**	**0.0419**	**115.0105**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	21.3705 / 13.4727	23.1909	0.6985	0.0169	45.6853
Total		**59.2171**	**1.7321**	**0.0419**	**115.0105**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	146.7442	8.6723	0.0000	363.5525
Unmitigated	146.7442	8.6723	0.0000	363.5525

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

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

11.0 Vegetation

Bridle Gate Housing Alternative (Mitigated)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (Mitigated) - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	17.2564	67.9523	159.4747	0.6441	61.1174	0.4940	61.6114	16.3464	0.4602	16.8066		65,377.5379	65,377.5379	2.1276		65,430.7270
Total	**491.4170**	**79.1803**	**788.4921**	**1.7560**	**61.1174**	**82.9710**	**144.0885**	**16.3464**	**82.9373**	**99.2837**	**8,843.7734**	**70,712.4132**	**79,556.1866**	**13.4750**	**0.6659**	**80,091.4834**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	17.0118	66.6384	153.3314	0.6148	58.0616	0.4731	58.5347	15.5291	0.4407	15.9698		62,408.9445	62,408.9445	2.0511		62,460.2222
Total	**44.1700**	**74.8902**	**205.0651**	**0.6665**	**58.0616**	**1.3632**	**59.4248**	**15.5291**	**1.3308**	**16.8599**	**0.0000**	**72,311.9374**	**72,311.9374**	**2.3233**	**0.1800**	**72,423.6460**

	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	N20	CO2e
Percent Reduction	**91.01**	**5.42**	**73.99**	**62.05**	**5.00**	**98.36**	**58.76**	**5.00**	**98.40**	**83.02**	**100.00**	**-2.26**	**9.11**	**82.76**	**72.97**	**9.57**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.0118	66.6384	153.3314	0.6148	58.0616	0.4731	58.5347	15.5291	0.4407	15.9698		62,408.9445	62,408.9445	2.0511		62,460.2222
Unmitigated	17.2564	67.9523	159.4747	0.6441	61.1174	0.4940	61.6114	16.3464	0.4602	16.8066		65,377.5379	65,377.5379	2.1276		65,430.7270

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	6,692,965
Total	14,930.67	14,930.67	14,930.67	28,779,175	27,340,216

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Unmitigated	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**473.9530**	**9.4480**	**628.2231**	**1.1006**		**82.3336**	**82.3336**		**82.3336**	**82.3336**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3040**	**0.6243**	**12,381.7332**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**26.9506**	**6.4717**	**50.9393**	**0.0403**		**0.7466**	**0.7466**		**0.7466**	**0.7466**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2288**	**0.1384**	**7,684.4006**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative (Mitigated)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (Mitigated) - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.6348	70.4826	162.3191	0.6038	61.1174	0.4963	61.6137	16.3464	0.4624	16.8088		61,284.9268	61,284.9268	2.1909		61,339.6998
Total	**488.7955**	**81.7106**	**791.3365**	**1.7156**	**61.1174**	**82.9733**	**144.0908**	**16.3464**	**82.9395**	**99.2859**	**8,843.7734**	**66,619.8021**	**75,463.5755**	**13.5384**	**0.6659**	**76,000.4562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.3922	69.0243	156.8321	0.5762	58.0616	0.4754	58.5370	15.5291	0.4429	15.9721		58,493.4454	58,493.4454	2.1171		58,546.3723
Total	**41.5504**	**77.2760**	**208.5657**	**0.6279**	**58.0616**	**1.3655**	**59.4271**	**15.5291**	**1.3330**	**16.8622**	**0.0000**	**68,396.4384**	**68,396.4384**	**2.3893**	**0.1800**	**68,509.7961**

	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	N20	CO2e
Percent Reduction	**91.50**	**5.43**	**73.64**	**63.40**	**5.00**	**98.35**	**58.76**	**5.00**	**98.39**	**83.02**	**100.00**	**-2.67**	**9.36**	**82.35**	**72.97**	**9.86**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Bridle Gate Housing Alternative (Mitigated) - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.3922	69.0243	156.8321	0.5762	58.0616	0.4754	58.5370	15.5291	0.4429	15.9721		58,493.4454	58,493.4454	2.1171		58,546.3723
Unmitigated	14.6348	70.4826	162.3191	0.6038	61.1174	0.4963	61.6137	16.3464	0.4624	16.8088		61,284.9268	61,284.9268	2.1909		61,339.6998

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	6,692,965
Total	14,930.67	14,930.67	14,930.67	28,779,175	27,340,216

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9506	6.4717	50.9393	0.0403		0.7466	0.7466		0.7466	0.7466	0.0000	7,637.4328	7,637.4328	0.2288	0.1384	7,684.4006
Unmitigated	473.9530	9.4480	628.2231	1.1006		82.3336	82.3336		82.3336	82.3336	8,843.7734	3,069.3152	11,913.0886	11.3040	0.6243	12,381.7332

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**473.9530**	**9.4480**	**628.2231**	**1.1006**		**82.3336**	**82.3336**		**82.3336**	**82.3336**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3040**	**0.6243**	**12,381.7332**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4615	0.5575	48.4226	2.5600e-003		0.2684	0.2684		0.2684	0.2684		87.3152	87.3152	0.0841		89.4164
Total	**26.9506**	**6.4717**	**50.9393**	**0.0403**		**0.7466**	**0.7466**		**0.7466**	**0.7466**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2288**	**0.1384**	**7,684.4006**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative (Mitigated)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.68	0.46	1.68	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	41.25	99.61	97.17	99.49	99.49	100.00	-153.19	44.32	99.25	77.78	46.63
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.62	2.01	3.53	4.54	4.21	4.21	0.00	4.53	4.53	3.46	0.00	4.53
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.30	0.70		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Housing Only Scenario Year 2030 - Unmitigated

Bridle Gate Housing Alternative (2030)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (2030) - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2924	2.8654	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9765	472.9765	0.1379	0.0000	476.4238
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4594	1,549.4594	0.1111	0.0000	1,552.2369
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5770	1,534.5770	0.1098	0.0000	1,537.3212
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4594**	**1,549.4594**	**0.2304**	**0.0000**	**1,552.2369**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2924	2.8653	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9760	472.9760	0.1379	0.0000	476.4233
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4590	1,549.4590	0.1111	0.0000	1,552.2365
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5766	1,534.5766	0.1098	0.0000	1,537.3208
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4590**	**1,549.4590**	**0.2304**	**0.0000**	**1,552.2365**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5180	0.5180
11	**1-1-2023**	**3-31-2023**	1.9592	1.9592
12	**4-1-2023**	**6-30-2023**	1.9951	1.9951
13	**7-1-2023**	**9-30-2023**	2.0170	2.0170
14	**10-1-2023**	**12-31-2023**	2.0333	2.0333
15	**1-1-2024**	**3-31-2024**	1.9599	1.9599
16	**4-1-2024**	**6-30-2024**	1.9448	1.9448
17	**7-1-2024**	**9-30-2024**	1.9662	1.9662
18	**10-1-2024**	**12-31-2024**	1.9815	1.9815
19	**1-1-2025**	**3-31-2025**	0.7256	0.7256
		Highest	2.0333	2.0333

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4909	0.1062	7.9815	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2043
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	833.9355	833.9355	0.0832	0.0226	842.7535
Mobile	2.2367	11.5594	23.2475	0.1017	10.7028	0.0684	10.7712	2.8710	0.0637	2.9346	0.0000	9,392.6670	9,392.6670	0.3081	0.0000	9,400.3691
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	33.3911	50.2015	1.7321	0.0419	105.9949
Total	**9.7655**	**11.9904**	**31.3739**	**0.1114**	**10.7028**	**0.6413**	**11.3442**	**2.8710**	**0.6366**	**3.5076**	**217.0092**	**10,282.1907**	**10,499.1998**	**10.9003**	**0.0677**	**10,791.8744**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6601	0.0831	4.3647	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5600e-003	7.0000e-004	45.6773
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	833.9355	833.9355	0.0832	0.0226	842.7535
Mobile	2.2367	11.5594	23.2475	0.1017	10.7028	0.0684	10.7712	2.8710	0.0637	2.9346	0.0000	9,392.6670	9,392.6670	0.3081	0.0000	9,400.3691
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	33.3911	50.2015	1.7321	0.0419	105.9949
Total	**6.9347**	**11.9673**	**27.7571**	**0.1042**	**10.7028**	**0.1214**	**10.8242**	**2.8710**	**0.1167**	**2.9877**	**163.5546**	**10,305.2734**	**10,468.8281**	**10.8033**	**0.0652**	**10,758.3474**

	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	N20	CO2e
Percent Reduction	**28.99**	**0.19**	**11.53**	**6.48**	**0.00**	**81.07**	**4.58**	**0.00**	**81.67**	**14.82**	**24.63**	**-0.22**	**0.29**	**0.89**	**3.62**	**0.31**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.2367	11.5594	23.2475	0.1017	10.7028	0.0684	10.7712	2.8710	0.0637	2.9346	0.0000	9,392.6670	9,392.6670	0.3081	0.0000	9,400.3691
Unmitigated	2.2367	11.5594	23.2475	0.1017	10.7028	0.0684	10.7712	2.8710	0.0637	2.9346	0.0000	9,392.6670	9,392.6670	0.3081	0.0000	9,400.3691

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	7,045,226
Total	14,930.67	14,930.67	14,930.67	28,779,175	28,779,175

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate Housing Alternative (2030) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	458.8466	458.8466	0.0760	0.0157	465.4357
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	458.8466	458.8466	0.0760	0.0157	465.4357
NaturalGas Mitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179
NaturalGas Unmitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97141e+006	156.4882	0.0259	5.3700e-003	158.7354
Single Family Housing	2.59708e+006	206.1525	0.0342	7.0700e-003	209.1128
Total		**458.8466**	**0.0760**	**0.0157**	**465.4357**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97141e+006	156.4882	0.0259	5.3700e-003	158.7354
Single Family Housing	2.59708e+006	206.1525	0.0342	7.0700e-003	209.1128
Total		**458.8466**	**0.0760**	**0.0157**	**465.4357**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.6601	0.0831	4.3647	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5600e-003	7.0000e-004	45.6773
Unmitigated	7.4909	0.1062	7.9815	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2043

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1218					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5285	0.0561	3.6308	7.4300e-003		0.5226	0.5226		0.5226	0.5226	53.4546	15.0681	68.5227	0.0977	3.1500e-003	71.9047
Landscaping	0.1308	0.0501	4.3506	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8300e-003	0.0000	7.2997
Total	**7.4909**	**0.1062**	**7.9815**	**7.6600e-003**		**0.5468**	**0.5468**		**0.5468**	**0.5468**	**53.4546**	**22.1971**	**75.6516**	**0.1045**	**3.1500e-003**	**79.2044**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.8500e-003	0.0329	0.0140	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.1509	38.1509	7.3000e-004	7.0000e-004	38.3776
Landscaping	0.1308	0.0501	4.3506	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8300e-003	0.0000	7.2997
Total	**4.6601**	**0.0831**	**4.3647**	**4.4000e-004**		**0.0268**	**0.0268**		**0.0268**	**0.0268**	**0.0000**	**45.2799**	**45.2799**	**7.5600e-003**	**7.0000e-004**	**45.6773**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	50.2015	1.7321	0.0419	105.9949
Unmitigated	50.2015	1.7321	0.0419	105.9949

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	21.3705 / 13.4727	19.7020	0.6985	0.0169	42.1964
Total		**50.2015**	**1.7321**	**0.0419**	**105.9949**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	21.3705 / 13.4727	19.7020	0.6985	0.0169	42.1964
Total		**50.2015**	**1.7321**	**0.0419**	**105.9949**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	146.7442	8.6723	0.0000	363.5525
Unmitigated	146.7442	8.6723	0.0000	363.5525

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

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

11.0 Vegetation

Bridle Gate Housing Alternative (2030)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (2030) - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.3283	62.3543	132.0253	0.5895	61.0979	0.3756	61.4735	16.3371	0.3495	16.6866		59,982.7938	59,982.7938	1.8567		60,029.2116
Total	**488.4809**	**73.5818**	**760.9604**	**1.7014**	**61.0979**	**82.8527**	**143.9506**	**16.3371**	**82.8267**	**99.1638**	**8,843.7734**	**65,317.6691**	**74,161.4425**	**13.2037**	**0.6659**	**74,689.9573**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.3283	62.3543	132.0253	0.5895	61.0979	0.3756	61.4735	16.3371	0.3495	16.6866		59,982.7938	59,982.7938	1.8567		60,029.2116
Total	**41.4785**	**70.6055**	**183.6767**	**0.6412**	**61.0979**	**1.2658**	**62.3637**	**16.3371**	**1.2397**	**17.5768**	**0.0000**	**69,885.7868**	**69,885.7868**	**2.1285**	**0.1800**	**69,992.6247**

	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	N20	CO2e
Percent Reduction	**91.51**	**4.04**	**75.86**	**62.32**	**0.00**	**98.47**	**56.68**	**0.00**	**98.50**	**82.27**	**100.00**	**-6.99**	**5.77**	**83.88**	**72.97**	**6.29**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.3283	62.3543	132.0253	0.5895	61.0979	0.3756	61.4735	16.3371	0.3495	16.6866		59,982.7938	59,982.7938	1.8567		60,029.2116
Unmitigated	14.3283	62.3543	132.0253	0.5895	61.0979	0.3756	61.4735	16.3371	0.3495	16.6866		59,982.7938	59,982.7938	1.8567		60,029.2116

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	7,045,226
Total	14,930.67	14,930.67	14,930.67	28,779,175	28,779,175

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Unmitigated	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**473.9449**	**9.4475**	**628.1408**	**1.1006**		**82.3337**	**82.3337**		**82.3337**	**82.3337**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3036**	**0.6243**	**12,381.7225**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**26.9425**	**6.4712**	**50.8570**	**0.0403**		**0.7467**	**0.7467**		**0.7467**	**0.7467**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2283**	**0.1384**	**7,684.3899**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative (2030)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (2030) - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	12.0936	64.1358	133.9179	0.5530	61.0979	0.3770	61.4749	16.3371	0.3509	16.6880		56,291.8186	56,291.8186	1.9193		56,339.8001
Total	**486.2462**	**75.3634**	**762.8531**	**1.6649**	**61.0979**	**82.8542**	**143.9521**	**16.3371**	**82.8281**	**99.1652**	**8,843.7734**	**61,626.6938**	**70,470.4672**	**13.2663**	**0.6659**	**71,000.5458**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	12.0936	64.1358	133.9179	0.5530	61.0979	0.3770	61.4749	16.3371	0.3509	16.6880		56,291.8186	56,291.8186	1.9193		56,339.8001
Total	**39.2438**	**72.3871**	**185.5693**	**0.6047**	**61.0979**	**1.2673**	**62.3652**	**16.3371**	**1.2411**	**17.5782**	**0.0000**	**66,194.8115**	**66,194.8115**	**2.1910**	**0.1800**	**66,303.2132**

	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	N20	CO2e
Percent Reduction	**91.93**	**3.95**	**75.67**	**63.68**	**0.00**	**98.47**	**56.68**	**0.00**	**98.50**	**82.27**	**100.00**	**-7.41**	**6.07**	**83.48**	**72.97**	**6.62**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.0936	64.1358	133.9179	0.5530	61.0979	0.3770	61.4749	16.3371	0.3509	16.6880		56,291.8186	56,291.8186	1.9193		56,339.8001
Unmitigated	12.0936	64.1358	133.9179	0.5530	61.0979	0.3770	61.4749	16.3371	0.3509	16.6880		56,291.8186	56,291.8186	1.9193		56,339.8001

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	7,045,226
Total	14,930.67	14,930.67	14,930.67	28,779,175	28,779,175

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Unmitigated	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**473.9449**	**9.4475**	**628.1408**	**1.1006**		**82.3337**	**82.3337**		**82.3337**	**82.3337**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3036**	**0.6243**	**12,381.7225**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**26.9425**	**6.4712**	**50.8570**	**0.0403**		**0.7467**	**0.7467**		**0.7467**	**0.7467**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2283**	**0.1384**	**7,684.3899**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative (2030)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.68	0.46	1.68	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	41.25	99.61	97.17	99.49	99.49	100.00	-153.19	44.32	99.25	77.78	46.63
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.30	0.70		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Housing
Only Scenario
Year 2030 - Mitigated

Bridle Gate Housing Alternative (2030 Mitigated)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (2030 Mitigated) - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2924	2.8654	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9765	472.9765	0.1379	0.0000	476.4238
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4594	1,549.4594	0.1111	0.0000	1,552.2369
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5770	1,534.5770	0.1098	0.0000	1,537.3212
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4594**	**1,549.4594**	**0.2304**	**0.0000**	**1,552.2369**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2924	2.8653	2.6801	5.3600e-003	0.3903	0.1255	0.5158	0.1778	0.1155	0.2933	0.0000	472.9760	472.9760	0.1379	0.0000	476.4233
2023	3.8702	4.1051	4.7073	0.0169	0.9198	0.1070	1.0268	0.2485	0.1012	0.3497	0.0000	1,549.4590	1,549.4590	0.1111	0.0000	1,552.2365
2024	3.8945	3.9665	4.5820	0.0167	0.9279	0.0952	1.0230	0.2507	0.0899	0.3406	0.0000	1,534.5766	1,534.5766	0.1098	0.0000	1,537.3208
2025	0.4264	0.2962	0.3573	1.3100e-003	0.0757	6.5900e-003	0.0823	0.0204	6.2400e-003	0.0267	0.0000	119.8394	119.8394	8.3600e-003	0.0000	120.0484
Maximum	**3.8945**	**6.0607**	**4.7073**	**0.0169**	**0.9279**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,549.4590**	**1,549.4590**	**0.2304**	**0.0000**	**1,552.2365**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5180	0.5180
11	**1-1-2023**	**3-31-2023**	1.9592	1.9592
12	**4-1-2023**	**6-30-2023**	1.9951	1.9951
13	**7-1-2023**	**9-30-2023**	2.0170	2.0170
14	**10-1-2023**	**12-31-2023**	2.0333	2.0333
15	**1-1-2024**	**3-31-2024**	1.9599	1.9599
16	**4-1-2024**	**6-30-2024**	1.9448	1.9448
17	**7-1-2024**	**9-30-2024**	1.9662	1.9662
18	**10-1-2024**	**12-31-2024**	1.9815	1.9815
19	**1-1-2025**	**3-31-2025**	0.7256	0.7256
		Highest	2.0333	2.0333

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.4909	0.1062	7.9815	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2043
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	833.9355	833.9355	0.0832	0.0226	842.7535
Mobile	2.2367	11.5594	23.2475	0.1017	10.7028	0.0684	10.7712	2.8710	0.0637	2.9346	0.0000	9,392.6670	9,392.6670	0.3081	0.0000	9,400.3691
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	33.3911	50.2015	1.7321	0.0419	105.9949
Total	**9.7655**	**11.9904**	**31.3739**	**0.1114**	**10.7028**	**0.6413**	**11.3442**	**2.8710**	**0.6366**	**3.5076**	**217.0092**	**10,282.1907**	**10,499.1998**	**10.9003**	**0.0677**	**10,791.8744**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.6601	0.0831	4.3647	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5600e-003	7.0000e-004	45.6773
Energy	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	833.9355	833.9355	0.0832	0.0226	842.7535
Mobile	2.1986	11.3542	22.4143	0.0971	10.1677	0.0656	10.2333	2.7275	0.0610	2.7885	0.0000	8,968.8061	8,968.8061	0.2974	0.0000	8,976.2399
Waste						0.0000	0.0000		0.0000	0.0000	146.7442	0.0000	146.7442	8.6723	0.0000	363.5525
Water						0.0000	0.0000		0.0000	0.0000	16.8104	33.3911	50.2015	1.7321	0.0419	105.9949
Total	**6.8966**	**11.7621**	**26.9239**	**0.0996**	**10.1677**	**0.1186**	**10.2863**	**2.7275**	**0.1140**	**2.8415**	**163.5546**	**9,881.4126**	**10,044.9672**	**10.7926**	**0.0652**	**10,334.2181**

	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	N20	CO2e
Percent Reduction	**29.38**	**1.90**	**14.18**	**10.61**	**5.00**	**81.51**	**9.33**	**5.00**	**82.09**	**18.99**	**24.63**	**3.90**	**4.33**	**0.99**	**3.62**	**4.24**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2700e-003	0.0760	0.0188	2.1000e-004	5.0400e-003	1.5000e-004	5.1900e-003	1.4600e-003	1.4000e-004	1.6000e-003	0.0000	19.7223	19.7223	9.4000e-004	0.0000	19.7457
Worker	7.0300e-003	4.6600e-003	0.0506	1.7000e-004	0.0194	1.2000e-004	0.0195	5.1600e-003	1.1000e-004	5.2800e-003	0.0000	15.8044	15.8044	3.3000e-004	0.0000	15.8126
Total	**9.3000e-003**	**0.0806**	**0.0695**	**3.8000e-004**	**0.0245**	**2.7000e-004**	**0.0247**	**6.6200e-003**	**2.5000e-004**	**6.8800e-003**	**0.0000**	**35.5267**	**35.5267**	**1.2700e-003**	**0.0000**	**35.5583**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0555	1.9037	0.5477	6.4700e-003	0.1637	2.1900e-003	0.1659	0.0473	2.0900e-003	0.0494	0.0000	623.0115	623.0115	0.0259	0.0000	623.6595
Worker	0.2135	0.1362	1.5134	5.4600e-003	0.6307	3.9500e-003	0.6347	0.1678	3.6300e-003	0.1714	0.0000	493.9709	493.9709	9.6100e-003	0.0000	494.2112
Total	**0.2690**	**2.0399**	**2.0611**	**0.0119**	**0.7944**	**6.1400e-003**	**0.8006**	**0.2151**	**5.7200e-003**	**0.2209**	**0.0000**	**1,116.9824**	**1,116.9824**	**0.0355**	**0.0000**	**1,117.8707**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0541	1.8969	0.5314	6.4700e-003	0.1650	2.1700e-003	0.1671	0.0477	2.0700e-003	0.0498	0.0000	623.5667	623.5667	0.0256	0.0000	624.2066
Worker	0.2023	0.1240	1.4126	5.2800e-003	0.6356	3.9000e-003	0.6395	0.1691	3.5900e-003	0.1727	0.0000	478.0705	478.0705	8.7200e-003	0.0000	478.2885
Total	**0.2563**	**2.0209**	**1.9440**	**0.0118**	**0.8005**	**6.0700e-003**	**0.8066**	**0.2168**	**5.6600e-003**	**0.2225**	**0.0000**	**1,101.6372**	**1,101.6372**	**0.0343**	**0.0000**	**1,102.4951**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.0100e-003	0.1431	0.0394	4.9000e-004	0.0126	1.6000e-004	0.0128	3.6400e-003	1.6000e-004	3.8000e-003	0.0000	47.2894	47.2894	1.9200e-003	0.0000	47.3373
Worker	0.0146	8.6000e-003	0.0999	3.9000e-004	0.0485	2.9000e-004	0.0488	0.0129	2.7000e-004	0.0132	0.0000	35.0085	35.0085	6.0000e-004	0.0000	35.0236
Total	**0.0186**	**0.1517**	**0.1393**	**8.8000e-004**	**0.0611**	**4.5000e-004**	**0.0616**	**0.0166**	**4.3000e-004**	**0.0170**	**0.0000**	**82.2979**	**82.2979**	**2.5200e-003**	**0.0000**	**82.3609**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.3543**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0425	0.0271	0.3008	1.0900e-003	0.1254	7.8000e-004	0.1262	0.0334	7.2000e-004	0.0341	0.0000	98.1939	98.1939	1.9100e-003	0.0000	98.2417
Total	**0.0425**	**0.0271**	**0.3008**	**1.0900e-003**	**0.1254**	**7.8000e-004**	**0.1262**	**0.0334**	**7.2000e-004**	**0.0341**	**0.0000**	**98.1939**	**98.1939**	**1.9100e-003**	**0.0000**	**98.2417**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.3812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.4049**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0405	0.0248	0.2830	1.0600e-003	0.1273	7.8000e-004	0.1281	0.0339	7.2000e-004	0.0346	0.0000	95.7698	95.7698	1.7500e-003	0.0000	95.8135
Total	**0.0405**	**0.0248**	**0.2830**	**1.0600e-003**	**0.1273**	**7.8000e-004**	**0.1281**	**0.0339**	**7.2000e-004**	**0.0346**	**0.0000**	**95.7698**	**95.7698**	**1.7500e-003**	**0.0000**	**95.8135**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3872					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3897**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.3900e-003	2.5800e-003	0.0300	1.2000e-004	0.0146	9.0000e-005	0.0147	3.8800e-003	8.0000e-005	3.9600e-003	0.0000	10.5197	10.5197	1.8000e-004	0.0000	10.5242
Total	**4.3900e-003**	**2.5800e-003**	**0.0300**	**1.2000e-004**	**0.0146**	**9.0000e-005**	**0.0147**	**3.8800e-003**	**8.0000e-005**	**3.9600e-003**	**0.0000**	**10.5197**	**10.5197**	**1.8000e-004**	**0.0000**	**10.5242**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1986	11.3542	22.4143	0.0971	10.1677	0.0656	10.2333	2.7275	0.0610	2.7885	0.0000	8,968.8061	8,968.8061	0.2974	0.0000	8,976.2399
Unmitigated	2.2367	11.5594	23.2475	0.1017	10.7028	0.0684	10.7712	2.8710	0.0637	2.9346	0.0000	9,392.6670	9,392.6670	0.3081	0.0000	9,400.3691

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	6,692,965
Total	14,930.67	14,930.67	14,930.67	28,779,175	27,340,216

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate Housing Alternative (2030 Mitigated) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	458.8466	458.8466	0.0760	0.0157	465.4357
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	458.8466	458.8466	0.0760	0.0157	465.4357
NaturalGas Mitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179
NaturalGas Unmitigated	0.0379	0.3249	0.1450	2.0700e-003		0.0262	0.0262		0.0262	0.0262	0.0000	375.0889	375.0889	7.1900e-003	6.8800e-003	377.3179

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	5.02914e+006	0.0271	0.2317	0.0986	1.4800e-003		0.0187	0.0187		0.0187	0.0187	0.0000	268.3740	268.3740	5.1400e-003	4.9200e-003	269.9688
Total		**0.0379**	**0.3249**	**0.1450**	**2.0700e-003**		**0.0262**	**0.0262**		**0.0262**	**0.0262**	**0.0000**	**375.0889**	**375.0889**	**7.1900e-003**	**6.8700e-003**	**377.3179**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97141e+006	156.4882	0.0259	5.3700e-003	158.7354
Single Family Housing	2.59708e+006	206.1525	0.0342	7.0700e-003	209.1128
Total		**458.8466**	**0.0760**	**0.0157**	**465.4357**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97141e+006	156.4882	0.0259	5.3700e-003	158.7354
Single Family Housing	2.59708e+006	206.1525	0.0342	7.0700e-003	209.1128
Total		**458.8466**	**0.0760**	**0.0157**	**465.4357**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.6601	0.0831	4.3647	4.4000e-004		0.0268	0.0268		0.0268	0.0268	0.0000	45.2799	45.2799	7.5600e-003	7.0000e-004	45.6773
Unmitigated	7.4909	0.1062	7.9815	7.6600e-003		0.5467	0.5467		0.5467	0.5467	53.4546	22.1971	75.6516	0.1045	3.1500e-003	79.2043

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.1218					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.5285	0.0561	3.6308	7.4300e-003		0.5226	0.5226		0.5226	0.5226	53.4546	15.0681	68.5227	0.0977	3.1500e-003	71.9047
Landscaping	0.1308	0.0501	4.3506	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8300e-003	0.0000	7.2997
Total	**7.4909**	**0.1062**	**7.9815**	**7.6600e-003**		**0.5468**	**0.5468**		**0.5468**	**0.5468**	**53.4546**	**22.1971**	**75.6516**	**0.1045**	**3.1500e-003**	**79.2044**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7098					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.8157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.8500e-003	0.0329	0.0140	2.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	38.1509	38.1509	7.3000e-004	7.0000e-004	38.3776
Landscaping	0.1308	0.0501	4.3506	2.3000e-004		0.0242	0.0242		0.0242	0.0242	0.0000	7.1290	7.1290	6.8300e-003	0.0000	7.2997
Total	**4.6601**	**0.0831**	**4.3647**	**4.4000e-004**		**0.0268**	**0.0268**		**0.0268**	**0.0268**	**0.0000**	**45.2799**	**45.2799**	**7.5600e-003**	**7.0000e-004**	**45.6773**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	50.2015	1.7321	0.0419	105.9949
Unmitigated	50.2015	1.7321	0.0419	105.9949

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	21.3705 / 13.4727	19.7020	0.6985	0.0169	42.1964
Total		**50.2015**	**1.7321**	**0.0419**	**105.9949**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	21.3705 / 13.4727	19.7020	0.6985	0.0169	42.1964
Total		**50.2015**	**1.7321**	**0.0419**	**105.9949**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	146.7442	8.6723	0.0000	363.5525
Unmitigated	146.7442	8.6723	0.0000	363.5525

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	393.96	79.9703	4.7261	0.0000	198.1231
Total		**146.7442**	**8.6723**	**0.0000**	**363.5525**

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

11.0 Vegetation

Bridle Gate Housing Alternative (2030 Mitigated)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (2030 Mitigated) - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.0991	38.8772	34.6607	0.1257	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,732.4856	12,732.4856	1.9474	0.0000	12,756.4487
2023	30.0507	31.3370	37.4010	0.1344	7.3540	0.8235	8.1776	1.9800	0.7786	2.7586	0.0000	13,583.0717	13,583.0717	0.9427	0.0000	13,606.6387
2024	29.7977	30.0429	36.0734	0.1319	7.3541	0.7262	8.0803	1.9801	0.6863	2.6663	0.0000	13,332.8799	13,332.8799	0.9237	0.0000	13,355.9724
2025	29.5634	28.7359	34.8469	0.1295	7.3541	0.6303	7.9844	1.9801	0.5955	2.5755	0.0000	13,087.0454	13,087.0454	0.9070	0.0000	13,109.7211
Maximum	**30.0507**	**50.2396**	**37.4010**	**0.1344**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,583.0717**	**13,583.0717**	**1.9474**	**0.0000**	**13,606.6387**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.3283	62.3543	132.0253	0.5895	61.0979	0.3756	61.4735	16.3371	0.3495	16.6866		59,982.7938	59,982.7938	1.8567		60,029.2116
Total	**488.4809**	**73.5818**	**760.9604**	**1.7014**	**61.0979**	**82.8527**	**143.9506**	**16.3371**	**82.8267**	**99.1638**	**8,843.7734**	**65,317.6691**	**74,161.4425**	**13.2037**	**0.6659**	**74,689.9573**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	14.1166	61.2947	126.8980	0.5628	58.0430	0.3600	58.4030	15.5202	0.3350	15.8552		57,272.7681	57,272.7681	1.7899		57,317.5150
Total	**41.2668**	**69.5460**	**178.5494**	**0.6145**	**58.0430**	**1.2502**	**59.2932**	**15.5202**	**1.2252**	**16.7454**	**0.0000**	**67,175.7611**	**67,175.7611**	**2.0616**	**0.1800**	**67,280.9280**

	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	N20	CO2e
Percent Reduction	**91.55**	**5.48**	**76.54**	**63.89**	**5.00**	**98.49**	**58.81**	**5.00**	**98.52**	**83.11**	**100.00**	**-2.84**	**9.42**	**84.39**	**72.97**	**9.92**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5554	18.8045	4.4003	0.0518	1.2997	0.0373	1.3370	0.3741	0.0356	0.4098		5,493.9744	5,493.9744	0.2490		5,500.1986
Worker	1.8376	1.0349	13.8970	0.0470	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,684.1776	4,684.1776	0.0976		4,686.6179
Total	**2.3929**	**19.8394**	**18.2973**	**0.0988**	**6.3436**	**0.0683**	**6.4118**	**1.7120**	**0.0642**	**1.7762**		**10,178.1520**	**10,178.1520**	**0.3466**		**10,186.8165**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4162	14.5320	3.9614	0.0503	1.2998	0.0165	1.3163	0.3742	0.0158	0.3900		5,339.4224	5,339.4224	0.2128		5,344.7421
Worker	1.7154	0.9308	12.8170	0.0452	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,504.6034	4,504.6034	0.0877		4,506.7946
Total	**2.1316**	**15.4627**	**16.7784**	**0.0955**	**6.3436**	**0.0469**	**6.3905**	**1.7120**	**0.0438**	**1.7558**		**9,844.0258**	**9,844.0258**	**0.3004**		**9,851.5367**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4027	14.3710	3.8166	0.0499	1.2998	0.0163	1.3161	0.3742	0.0155	0.3897		5,302.9492	5,302.9492	0.2086		5,308.1650
Worker	1.6093	0.8408	11.8967	0.0434	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		4,326.1455	4,326.1455	0.0790		4,328.1214
Total	**2.0120**	**15.2119**	**15.7133**	**0.0933**	**6.3437**	**0.0460**	**6.3897**	**1.7120**	**0.0430**	**1.7550**		**9,629.0947**	**9,629.0947**	**0.2877**		**9,636.2864**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.3912	14.2031	3.7064	0.0496	1.2998	0.0160	1.3158	0.3742	0.0153	0.3895		5,267.9185	5,267.9185	0.2047		5,273.0358
Worker	1.5187	0.7645	11.0360	0.0416	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		4,149.8773	4,149.8773	0.0717		4,151.6692
Total	**1.9099**	**14.9676**	**14.7423**	**0.0912**	**6.3437**	**0.0453**	**6.3890**	**1.7121**	**0.0423**	**1.7544**		**9,417.7958**	**9,417.7958**	**0.2764**		**9,424.7050**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3436	0.1865	2.5676	9.0500e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		902.3880	902.3880	0.0176		902.8269
Total	**0.3436**	**0.1865**	**2.5676**	**9.0500e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**902.3880**	**902.3880**	**0.0176**		**902.8269**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3224	0.1684	2.3832	8.6900e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		866.6383	866.6383	0.0158		867.0341
Total	**0.3224**	**0.1684**	**2.3832**	**8.6900e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**866.6383**	**866.6383**	**0.0158**		**867.0341**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3042	0.1531	2.2108	8.3300e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		831.3272	831.3272	0.0144		831.6862
Total	**0.3042**	**0.1531**	**2.2108**	**8.3300e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**831.3272**	**831.3272**	**0.0144**		**831.6862**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.1166	61.2947	126.8980	0.5628	58.0430	0.3600	58.4030	15.5202	0.3350	15.8552		57,272.7681	57,272.7681	1.7899		57,317.5150
Unmitigated	14.3283	62.3543	132.0253	0.5895	61.0979	0.3756	61.4735	16.3371	0.3495	16.6866		59,982.7938	59,982.7938	1.8567		60,029.2116

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	6,692,965
Total	14,930.67	14,930.67	14,930.67	28,779,175	27,340,216

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Unmitigated	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**473.9449**	**9.4475**	**628.1408**	**1.1006**		**82.3337**	**82.3337**		**82.3337**	**82.3337**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3036**	**0.6243**	**12,381.7225**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**26.9425**	**6.4712**	**50.8570**	**0.0403**		**0.7467**	**0.7467**		**0.7467**	**0.7467**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2283**	**0.1384**	**7,684.3899**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative (2030 Mitigated)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	328.00	Dwelling Unit	74.64	590,400.00	938
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate Housing Alternative (2030 Mitigated) - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factr adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Construction schedule adjusted per apliccant provided information

Grading - Grading area adjusted per site plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	106.49	74.64
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2465	38.8851	34.3672	0.1207	6.4467	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,223.1836	12,223.1836	1.9472	0.0000	12,247.4785
2023	30.2124	31.6695	36.8187	0.1289	7.3540	0.8243	8.1783	1.9800	0.7793	2.7593	0.0000	13,022.3479	13,022.3479	0.9506	0.0000	13,046.1132
2024	29.9580	30.3476	35.5044	0.1266	7.3541	0.7269	8.0810	1.9801	0.6869	2.6670	0.0000	12,791.1803	12,791.1803	0.9316	0.0000	12,814.4690
2025	29.7222	29.0161	34.3083	0.1243	7.3541	0.6309	7.9850	1.9801	0.5960	2.5761	0.0000	12,563.9656	12,563.9656	0.9148	0.0000	12,586.8352
Maximum	**30.2124**	**50.2495**	**36.8187**	**0.1289**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,022.3479**	**13,022.3479**	**1.9472**	**0.0000**	**13,046.1132**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	12.0936	64.1358	133.9179	0.5530	61.0979	0.3770	61.4749	16.3371	0.3509	16.6880		56,291.8186	56,291.8186	1.9193		56,339.8001
Total	**486.2462**	**75.3634**	**762.8531**	**1.6649**	**61.0979**	**82.8542**	**143.9521**	**16.3371**	**82.8281**	**99.1652**	**8,843.7734**	**61,626.6938**	**70,470.4672**	**13.2663**	**0.6659**	**71,000.5458**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Energy	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
Mobile	11.8819	62.9624	129.3124	0.5279	58.0430	0.3615	58.4045	15.5202	0.3364	15.8566		53,738.8379	53,738.8379	1.8540		53,785.1874
Total	**39.0321**	**71.2137**	**180.9638**	**0.5795**	**58.0430**	**1.2517**	**59.2947**	**15.5202**	**1.2266**	**16.7468**	**0.0000**	**63,641.8309**	**63,641.8309**	**2.1257**	**0.1800**	**63,748.6004**

	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	N20	CO2e
Percent Reduction	**91.97**	**5.51**	**76.28**	**65.19**	**5.00**	**98.49**	**58.81**	**5.00**	**98.52**	**83.11**	**100.00**	**-3.27**	**9.69**	**83.98**	**72.97**	**10.21**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,718,010; Residential Outdoor: 572,670; Non-Residential Indoor: 299,850; Non-Residential Outdoor: 99,950; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	614.00	192.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	123.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5882	18.9464	5.0554	0.0505	1.2997	0.0386	1.3383	0.3741	0.0369	0.4111		5,353.7070	5,353.7070	0.2691		5,360.4346
Worker	1.9521	1.2778	12.9485	0.0433	5.0439	0.0310	5.0749	1.3379	0.0286	1.3664		4,315.1430	4,315.1430	0.0908		4,317.4117
Total	**2.5402**	**20.2242**	**18.0038**	**0.0938**	**6.3436**	**0.0696**	**6.4132**	**1.7120**	**0.0655**	**1.7775**		**9,668.8500**	**9,668.8500**	**0.3599**		**9,677.8463**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4422	14.6028	4.4891	0.0491	1.2998	0.0173	1.3170	0.3742	0.0165	0.3907		5,204.4680	5,204.4680	0.2285		5,210.1794
Worker	1.8285	1.1488	11.8922	0.0416	5.0439	0.0304	5.0742	1.3379	0.0280	1.3658		4,149.8918	4,149.8918	0.0812		4,151.9220
Total	**2.2707**	**15.7515**	**16.3813**	**0.0907**	**6.3436**	**0.0476**	**6.3913**	**1.7120**	**0.0445**	**1.7565**		**9,354.3598**	**9,354.3598**	**0.3097**		**9,362.1014**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4274	14.4399	4.3203	0.0487	1.2998	0.0169	1.3167	0.3742	0.0162	0.3904		5,169.9443	5,169.9443	0.2237		5,175.5371
Worker	1.7223	1.0374	11.0030	0.0400	5.0439	0.0298	5.0737	1.3379	0.0274	1.3653		3,985.6590	3,985.6590	0.0730		3,987.4843
Total	**2.1497**	**15.4773**	**15.3233**	**0.0887**	**6.3437**	**0.0467**	**6.3904**	**1.7120**	**0.0436**	**1.7556**		**9,155.6033**	**9,155.6033**	**0.2967**		**9,163.0214**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4148	14.2691	4.1916	0.0484	1.2998	0.0166	1.3164	0.3742	0.0158	0.3900		5,136.6768	5,136.6768	0.2192		5,142.1565
Worker	1.6314	0.9429	10.1830	0.0383	5.0439	0.0294	5.0732	1.3379	0.0270	1.3649		3,823.4342	3,823.4342	0.0661		3,825.0857
Total	**2.0462**	**15.2120**	**14.3746**	**0.0867**	**6.3437**	**0.0459**	**6.3896**	**1.7121**	**0.0429**	**1.7549**		**8,960.1110**	**8,960.1110**	**0.2853**		**8,967.2422**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**26.0026**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3663	0.2301	2.3823	8.3400e-003	1.0104	6.0800e-003	1.0165	0.2680	5.6000e-003	0.2736		831.3301	831.3301	0.0163		831.7368
Total	**0.3663**	**0.2301**	**2.3823**	**8.3400e-003**	**1.0104**	**6.0800e-003**	**1.0165**	**0.2680**	**5.6000e-003**	**0.2736**		**831.3301**	**831.3301**	**0.0163**		**831.7368**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**25.9917**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3450	0.2078	2.2042	8.0000e-003	1.0104	5.9700e-003	1.0164	0.2680	5.4900e-003	0.2735		798.4301	798.4301	0.0146		798.7957
Total	**0.3450**	**0.2078**	**2.2042**	**8.0000e-003**	**1.0104**	**5.9700e-003**	**1.0164**	**0.2680**	**5.4900e-003**	**0.2735**		**798.4301**	**798.4301**	**0.0146**		**798.7957**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.8110					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**25.9818**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3268	0.1889	2.0399	7.6800e-003	1.0104	5.8800e-003	1.0163	0.2680	5.4100e-003	0.2734		765.9323	765.9323	0.0132		766.2631
Total	**0.3268**	**0.1889**	**2.0399**	**7.6800e-003**	**1.0104**	**5.8800e-003**	**1.0163**	**0.2680**	**5.4100e-003**	**0.2734**		**765.9323**	**765.9323**	**0.0132**		**766.2631**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.8819	62.9624	129.3124	0.5279	58.0430	0.3615	58.4045	15.5202	0.3364	15.8566		53,738.8379	53,738.8379	1.8540		53,785.1874
Unmitigated	12.0936	64.1358	133.9179	0.5530	61.0979	0.3770	61.4749	16.3371	0.3509	16.6880		56,291.8186	56,291.8186	1.9193		56,339.8001

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	3,050.40	3,050.40	3050.40	7,045,226	6,692,965
Total	14,930.67	14,930.67	14,930.67	28,779,175	27,340,216

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232
NaturalGas Unmitigated	0.2077	1.7800	0.7944	0.0113		0.1435	0.1435		0.1435	0.1435		2,265.5601	2,265.5601	0.0434	0.0415	2,279.0232

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13778.5	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	13.7785	0.1486	1.2698	0.5403	8.1000e-003		0.1027	0.1027		0.1027	0.1027		1,620.9956	1,620.9956	0.0311	0.0297	1,630.6283
Total		**0.2077**	**1.7800**	**0.7944**	**0.0113**		**0.1435**	**0.1435**		**0.1435**	**0.1435**		**2,265.5601**	**2,265.5601**	**0.0434**	**0.0415**	**2,279.0232**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.9425	6.4712	50.8570	0.0403		0.7467	0.7467		0.7467	0.7467	0.0000	7,637.4328	7,637.4328	0.2283	0.1384	7,684.3899
Unmitigated	473.9449	9.4475	628.1408	1.1006		82.3337	82.3337		82.3337	82.3337	8,843.7734	3,069.3152	11,913.0886	11.3036	0.6243	12,381.7225

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	22.5850					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	446.0172	8.8906	579.8005	1.0980		82.0651	82.0651		82.0651	82.0651	8,843.7734	2,982.0000	11,825.7734	11.2200	0.6243	12,292.3169
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**473.9449**	**9.4475**	**628.1408**	**1.1006**		**82.3337**	**82.3337**		**82.3337**	**82.3337**	**8,843.7734**	**3,069.3152**	**11,913.0886**	**11.3036**	**0.6243**	**12,381.7225**

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	lb/day										lb/day					
Architectural Coating	3.8893					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.9077					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6921	5.9143	2.5167	0.0378		0.4782	0.4782		0.4782	0.4782	0.0000	7,550.1177	7,550.1177	0.1447	0.1384	7,594.9842
Landscaping	1.4534	0.5570	48.3403	2.5600e-003		0.2685	0.2685		0.2685	0.2685		87.3152	87.3152	0.0836		89.4056
Total	**26.9425**	**6.4712**	**50.8570**	**0.0403**		**0.7467**	**0.7467**		**0.7467**	**0.7467**	**0.0000**	**7,637.4328**	**7,637.4328**	**0.2283**	**0.1384**	**7,684.3899**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate Housing Alternative (2030 Mitigated)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.68	0.46	1.68	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	41.25	99.61	97.17	99.49	99.49	100.00	-153.19	44.32	99.25	77.78	46.63
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.70	1.77	3.58	4.52	4.14	4.16	0.00	4.51	4.51	3.49	0.00	4.51
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.30	0.70		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate School
Scenario
Year 2026 -
Unmitigated

Bridle Gate School Alternative

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61

tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7218	473.7218	0.1379	0.0000	477.1698
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5209	1,574.5209	0.1120	0.0000	1,577.3196
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3805	1,559.3805	0.1106	0.0000	1,562.1453
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9657
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5209**	**1,574.5209**	**0.2304**	**0.0000**	**1,577.3196**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7213	473.7213	0.1379	0.0000	477.1693
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5206	1,574.5206	0.1120	0.0000	1,577.3192
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3801	1,559.3801	0.1106	0.0000	1,562.1448
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9656
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5206**	**1,574.5206**	**0.2304**	**0.0000**	**1,577.3192**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5202	0.5202
11	**1-1-2023**	**3-31-2023**	1.9276	1.9276
12	**4-1-2023**	**6-30-2023**	1.9613	1.9613
13	**7-1-2023**	**9-30-2023**	1.9829	1.9829
14	**10-1-2023**	**12-31-2023**	1.9994	1.9994
15	**1-1-2024**	**3-31-2024**	1.9261	1.9261
16	**4-1-2024**	**6-30-2024**	1.9108	1.9108
17	**7-1-2024**	**9-30-2024**	1.9318	1.9318
18	**10-1-2024**	**12-31-2024**	1.9473	1.9473
19	**1-1-2025**	**3-31-2025**	0.7078	0.7078
		Highest	1.9994	1.9994

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9174	0.0928	6.9898	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9511
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	970.9154	970.9154	0.0824	0.0228	979.7608
Mobile	2.7341	12.8137	28.4755	0.1123	10.8358	0.0911	10.9268	2.9074	0.0848	2.9923	0.0000	10,347.1616	10,347.1616	0.3561	0.0000	10,356.0649
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	42.4243	58.6247	1.6695	0.0404	112.4109
Total	**9.6916**	**13.2548**	**35.6485**	**0.1210**	**10.8358**	**0.5851**	**11.4209**	**2.9074**	**0.5789**	**3.4863**	**226.3863**	**11,379.9842**	**11,606.3705**	**11.9326**	**0.0659**	**11,924.3224**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4686	0.0732	3.9110	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.8000e-003	6.0000e-004	39.5330
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	970.9154	970.9154	0.0824	0.0228	979.7608
Mobile	2.7341	12.8137	28.4755	0.1123	10.8358	0.0911	10.9268	2.9074	0.0848	2.9923	0.0000	10,347.1616	10,347.1616	0.3561	0.0000	10,356.0649
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	42.4243	58.6247	1.6695	0.0404	112.4109
Total	**7.2428**	**13.2352**	**32.5697**	**0.1149**	**10.8358**	**0.1427**	**10.9785**	**2.9074**	**0.1365**	**3.0439**	**180.9398**	**11,399.6850**	**11,580.6248**	**11.8507**	**0.0638**	**11,895.9043**

	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	N20	CO2e
Percent Reduction	**25.27**	**0.15**	**8.64**	**5.07**	**0.00**	**75.61**	**3.87**	**0.00**	**76.42**	**12.69**	**20.07**	**-0.17**	**0.22**	**0.69**	**3.19**	**0.24**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7341	12.8137	28.4755	0.1123	10.8358	0.0911	10.9268	2.9074	0.0848	2.9923	0.0000	10,347.1616	10,347.1616	0.3561	0.0000	10,356.0649
Unmitigated	2.7341	12.8137	28.4755	0.1123	10.8358	0.0911	10.9268	2.9074	0.0848	2.9923	0.0000	10,347.1616	10,347.1616	0.3561	0.0000	10,356.0649

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,700,953
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,692,027
Total	15,424.77	14,344.77	14,344.77	29,126,929	29,126,929

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	573.3327	573.3327	0.0748	0.0155	579.8154
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	573.3327	573.3327	0.0748	0.0155	579.8154
NaturalGas Mitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5827	397.5827	7.6200e-003	7.2900e-003	399.9454
NaturalGas Unmitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5827	397.5827	7.6200e-003	7.2900e-003	399.9454

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5827**	**397.5827**	**7.6300e-003**	**7.2900e-003**	**399.9454**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5827**	**397.5827**	**7.6300e-003**	**7.2900e-003**	**399.9454**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	40.8849	5.3300e-003	1.1000e-003	41.3472
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.09825e+006	211.5263	0.0276	5.7100e-003	213.9180
Total		**573.3327**	**0.0748**	**0.0155**	**579.8154**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	40.8849	5.3300e-003	1.1000e-003	41.3472
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.09825e+006	211.5263	0.0276	5.7100e-003	213.9180
Total		**573.3327**	**0.0748**	**0.0155**	**579.8154**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4686	0.0732	3.9110	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.8000e-003	6.0000e-004	39.5330
Unmitigated	6.9174	0.0928	6.9898	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9511

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1572	0.0479	3.0909	6.3100e-003		0.4447	0.4447		0.4447	0.4447	45.4466	13.1019	58.5484	0.0826	2.7000e-003	61.4158
Landscaping	0.1183	0.0449	3.8989	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1700e-003	0.0000	6.5353
Total	**6.9174**	**0.0928**	**6.9898**	**6.5200e-003**		**0.4663**	**0.4663**		**0.4663**	**0.4663**	**45.4466**	**19.4828**	**64.9294**	**0.0887**	**2.7000e-003**	**67.9511**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6778					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.3100e-003	0.0283	0.0121	1.8000e-004		2.2900e-003	2.2900e-003		2.2900e-003	2.2900e-003	0.0000	32.8028	32.8028	6.3000e-004	6.0000e-004	32.9977
Landscaping	0.1183	0.0449	3.8989	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1700e-003	0.0000	6.5353
Total	**4.4686**	**0.0732**	**3.9110**	**3.9000e-004**		**0.0239**	**0.0239**		**0.0239**	**0.0239**	**0.0000**	**39.1837**	**39.1837**	**6.8000e-003**	**6.0000e-004**	**39.5330**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	58.6247	1.6695	0.0404	112.4109
Unmitigated	58.6247	1.6695	0.0404	112.4109

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Elementary School	2.18182 / 5.61038	3.8619	0.0715	1.7600e-003	6.1754
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	17.2658 / 10.885	18.7366	0.5643	0.0136	36.9104
Total		**58.6247**	**1.6695**	**0.0404**	**112.4109**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Elementary School	2.18182 / 5.61038	3.8619	0.0715	1.7600e-003	6.1754
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	17.2658 / 10.885	18.7366	0.5643	0.0136	36.9104
Total		**58.6247**	**1.6695**	**0.0404**	**112.4109**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	164.7394	9.7358	0.0000	408.1348
Unmitigated	164.7394	9.7358	0.0000	408.1348

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

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

11.0 Vegetation

Bridle Gate School Alternative

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61

tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	17.8403	70.2702	165.0756	0.6670	63.3008	0.5114	63.8123	16.9304	0.4765	17.4069		67,697.3418	67,697.3418	2.2020		67,752.3916
Total	**425.5390**	**80.3109**	**704.7631**	**1.6203**	**63.3008**	**71.0286**	**134.3295**	**16.9304**	**70.9936**	**87.9241**	**7,559.9381**	**72,769.8019**	**80,329.7399**	**11.9562**	**0.5778**	**80,800.8120**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	17.8403	70.2702	165.0756	0.6670	63.3008	0.5114	63.8123	16.9304	0.4765	17.4069		67,697.3418	67,697.3418	2.2020		67,752.3916
Total	**43.7886**	**77.7626**	**211.5647**	**0.7137**	**63.3008**	**1.3146**	**64.6155**	**16.9304**	**1.2796**	**18.2100**	**0.0000**	**76,668.6372**	**76,668.6372**	**2.4480**	**0.1630**	**76,778.4245**

	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	N20	CO2e
Percent Reduction	**89.71**	**3.17**	**69.98**	**55.95**	**0.00**	**98.15**	**51.90**	**0.00**	**98.20**	**79.29**	**100.00**	**-5.36**	**4.56**	**79.52**	**71.78**	**4.98**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.8403	70.2702	165.0756	0.6670	63.3008	0.5114	63.8123	16.9304	0.4765	17.4069		67,697.3418	67,697.3418	2.2020		67,752.3916
Unmitigated	17.8403	70.2702	165.0756	0.6670	63.3008	0.5114	63.8123	16.9304	0.4765	17.4069		67,697.3418	67,697.3418	2.2020		67,752.3916

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,700,953
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,692,027
Total	15,424.77	14,344.77	14,344.77	29,126,929	29,126,929

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
NaturalGas Unmitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Unmitigated	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**407.4785**	**8.1320**	**538.6839**	**0.9413**		**70.3651**	**70.3651**		**70.3651**	**70.3651**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7082**	**0.5337**	**10,632.7255**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**25.7281**	**5.5837**	**45.4855**	**0.0348**		**0.6511**	**0.6511**		**0.6511**	**0.6511**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.2000**	**0.1190**	**6,610.3380**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61

tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	15.1319	72.8918	167.9795	0.6252	63.3008	0.5138	63.8147	16.9304	0.4787	17.4091		63,459.9708	63,459.9708	2.2673		63,516.6536
Total	**422.8305**	**82.9326**	**707.6670**	**1.5785**	**63.3008**	**71.0310**	**134.3318**	**16.9304**	**70.9959**	**87.9263**	**7,559.9381**	**68,532.4309**	**76,092.3689**	**12.0215**	**0.5778**	**76,565.0739**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	15.1319	72.8918	167.9795	0.6252	63.3008	0.5138	63.8147	16.9304	0.4787	17.4091		63,459.9708	63,459.9708	2.2673		63,516.6536
Total	**41.0802**	**80.3843**	**214.4686**	**0.6720**	**63.3008**	**1.3170**	**64.6178**	**16.9304**	**1.2819**	**18.2123**	**0.0000**	**72,431.2662**	**72,431.2662**	**2.5134**	**0.1630**	**72,542.6864**

	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	N20	CO2e
Percent Reduction	**90.28**	**3.07**	**69.69**	**57.43**	**0.00**	**98.15**	**51.90**	**0.00**	**98.19**	**79.29**	**100.00**	**-5.69**	**4.81**	**79.09**	**71.78**	**5.25**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.1319	72.8918	167.9795	0.6252	63.3008	0.5138	63.8147	16.9304	0.4787	17.4091		63,459.9708	63,459.9708	2.2673		63,516.6536
Unmitigated	15.1319	72.8918	167.9795	0.6252	63.3008	0.5138	63.8147	16.9304	0.4787	17.4091		63,459.9708	63,459.9708	2.2673		63,516.6536

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,700,953
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,692,027
Total	15,424.77	14,344.77	14,344.77	29,126,929	29,126,929

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
NaturalGas Unmitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Unmitigated	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**407.4785**	**8.1320**	**538.6839**	**0.9413**		**70.3651**	**70.3651**		**70.3651**	**70.3651**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7082**	**0.5337**	**10,632.7255**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**25.7281**	**5.5837**	**45.4855**	**0.0348**		**0.6511**	**0.6511**		**0.6511**	**0.6511**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.2000**	**0.1190**	**6,610.3380**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.71	0.46	1.71	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	40.91	99.61	97.15	99.49	99.49	100.00	-150.37	43.97	99.24	77.78	46.27
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.30	0.76		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate School
Scenario
Year 2026 - Mitigated

Bridle Gate School Alternative (Mitigated)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (Mitigated) - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7218	473.7218	0.1379	0.0000	477.1698
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5209	1,574.5209	0.1120	0.0000	1,577.3196
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3805	1,559.3805	0.1106	0.0000	1,562.1453
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9657
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5209**	**1,574.5209**	**0.2304**	**0.0000**	**1,577.3196**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7213	473.7213	0.1379	0.0000	477.1693
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5206	1,574.5206	0.1120	0.0000	1,577.3192
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3801	1,559.3801	0.1106	0.0000	1,562.1448
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9656
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5206**	**1,574.5206**	**0.2304**	**0.0000**	**1,577.3192**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5202	0.5202
11	**1-1-2023**	**3-31-2023**	1.9276	1.9276
12	**4-1-2023**	**6-30-2023**	1.9613	1.9613
13	**7-1-2023**	**9-30-2023**	1.9829	1.9829
14	**10-1-2023**	**12-31-2023**	1.9994	1.9994
15	**1-1-2024**	**3-31-2024**	1.9261	1.9261
16	**4-1-2024**	**6-30-2024**	1.9108	1.9108
17	**7-1-2024**	**9-30-2024**	1.9318	1.9318
18	**10-1-2024**	**12-31-2024**	1.9473	1.9473
19	**1-1-2025**	**3-31-2025**	0.7078	0.7078
		Highest	1.9994	1.9994

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9174	0.0928	6.9898	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9511
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	970.9154	970.9154	0.0824	0.0228	979.7608
Mobile	2.7341	12.8137	28.4755	0.1123	10.8358	0.0911	10.9268	2.9074	0.0848	2.9923	0.0000	10,347.1616	10,347.1616	0.3561	0.0000	10,356.0649
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	42.4243	58.6247	1.6695	0.0404	112.4109
Total	**9.6916**	**13.2548**	**35.6485**	**0.1210**	**10.8358**	**0.5851**	**11.4209**	**2.9074**	**0.5789**	**3.4863**	**226.3863**	**11,379.9842**	**11,606.3705**	**11.9326**	**0.0659**	**11,924.3224**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4686	0.0732	3.9110	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.8000e-003	6.0000e-004	39.5330
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	970.9154	970.9154	0.0824	0.0228	979.7608
Mobile	2.6898	12.5559	27.4694	0.1072	10.2940	0.0872	10.3812	2.7620	0.0813	2.8433	0.0000	9,878.0086	9,878.0086	0.3438	0.0000	9,886.6038
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	42.4243	58.6247	1.6695	0.0404	112.4109
Total	**7.1985**	**12.9775**	**31.5636**	**0.1098**	**10.2940**	**0.1389**	**10.4329**	**2.7620**	**0.1329**	**2.8950**	**180.9398**	**10,930.5320**	**11,111.4718**	**11.8383**	**0.0638**	**11,426.4432**

	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	N20	CO2e
Percent Reduction	**25.72**	**2.09**	**11.46**	**9.28**	**5.00**	**76.27**	**8.65**	**5.00**	**77.04**	**16.96**	**20.07**	**3.95**	**4.26**	**0.79**	**3.19**	**4.18**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6898	12.5559	27.4694	0.1072	10.2940	0.0872	10.3812	2.7620	0.0813	2.8433	0.0000	9,878.0086	9,878.0086	0.3438	0.0000	9,886.6038
Unmitigated	2.7341	12.8137	28.4755	0.1123	10.8358	0.0911	10.9268	2.9074	0.0848	2.9923	0.0000	10,347.1616	10,347.1616	0.3561	0.0000	10,356.0649

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,615,905
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,407,426
Total	15,424.77	14,344.77	14,344.77	29,126,929	27,670,583

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (Mitigated) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	573.3327	573.3327	0.0748	0.0155	579.8154
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	573.3327	573.3327	0.0748	0.0155	579.8154
NaturalGas Mitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5827	397.5827	7.6200e-003	7.2900e-003	399.9454
NaturalGas Unmitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5827	397.5827	7.6200e-003	7.2900e-003	399.9454

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5827**	**397.5827**	**7.6300e-003**	**7.2900e-003**	**399.9454**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5827**	**397.5827**	**7.6300e-003**	**7.2900e-003**	**399.9454**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	40.8849	5.3300e-003	1.1000e-003	41.3472
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.09825e+006	211.5263	0.0276	5.7100e-003	213.9180
Total		**573.3327**	**0.0748**	**0.0155**	**579.8154**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	108.0680	0.0141	2.9200e-003	109.2900
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	40.8849	5.3300e-003	1.1000e-003	41.3472
Parking Lot	140000	14.1135	1.8400e-003	3.8000e-004	14.2731
Regional Shopping Center	1.97141e+006	198.7400	0.0259	5.3700e-003	200.9872
Single Family Housing	2.09825e+006	211.5263	0.0276	5.7100e-003	213.9180
Total		**573.3327**	**0.0748**	**0.0155**	**579.8154**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4686	0.0732	3.9110	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.8000e-003	6.0000e-004	39.5330
Unmitigated	6.9174	0.0928	6.9898	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9511

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1572	0.0479	3.0909	6.3100e-003		0.4447	0.4447		0.4447	0.4447	45.4466	13.1019	58.5484	0.0826	2.7000e-003	61.4158
Landscaping	0.1183	0.0449	3.8989	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1700e-003	0.0000	6.5353
Total	**6.9174**	**0.0928**	**6.9898**	**6.5200e-003**		**0.4663**	**0.4663**		**0.4663**	**0.4663**	**45.4466**	**19.4828**	**64.9294**	**0.0887**	**2.7000e-003**	**67.9511**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6778					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.3100e-003	0.0283	0.0121	1.8000e-004		2.2900e-003	2.2900e-003		2.2900e-003	2.2900e-003	0.0000	32.8028	32.8028	6.3000e-004	6.0000e-004	32.9977
Landscaping	0.1183	0.0449	3.8989	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1700e-003	0.0000	6.5353
Total	**4.4686**	**0.0732**	**3.9110**	**3.9000e-004**		**0.0239**	**0.0239**		**0.0239**	**0.0239**	**0.0000**	**39.1837**	**39.1837**	**6.8000e-003**	**6.0000e-004**	**39.5330**

7.0 Water Detail

7.1 Mitigation Measures Water

Bridle Gate School Alternative (Mitigated) - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	58.6247	1.6695	0.0404	112.4109
Unmitigated	58.6247	1.6695	0.0404	112.4109

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Elementary School	2.18182 / 5.61038	3.8619	0.0715	1.7600e-003	6.1754
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	17.2658 / 10.885	18.7366	0.5643	0.0136	36.9104
Total		**58.6247**	**1.6695**	**0.0404**	**112.4109**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	18.2416	0.5494	0.0133	35.9354
City Park	0 / 5.12337	1.8077	2.4000e-004	5.0000e-005	1.8282
Elementary School	2.18182 / 5.61038	3.8619	0.0715	1.7600e-003	6.1754
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	15.9768	0.4840	0.0117	31.5616
Single Family Housing	17.2658 / 10.885	18.7366	0.5643	0.0136	36.9104
Total		**58.6247**	**1.6695**	**0.0404**	**112.4109**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	164.7394	9.7358	0.0000	408.1348
Unmitigated	164.7394	9.7358	0.0000	408.1348

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

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

11.0 Vegetation

Bridle Gate School Alternative (Mitigated)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (Mitigated) - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	17.8403	70.2702	165.0756	0.6670	63.3008	0.5114	63.8123	16.9304	0.4765	17.4069		67,697.3418	67,697.3418	2.2020		67,752.3916
Total	**425.5390**	**80.3109**	**704.7631**	**1.6203**	**63.3008**	**71.0286**	**134.3295**	**16.9304**	**70.9936**	**87.9241**	**7,559.9381**	**72,769.8019**	**80,329.7399**	**11.9562**	**0.5778**	**80,800.8120**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	17.5870	68.9094	158.7128	0.6366	60.1358	0.4898	60.6256	16.0839	0.4563	16.5402		64,622.6955	64,622.6955	2.1228		64,675.7657
Total	**43.5353**	**76.4019**	**205.2020**	**0.6834**	**60.1358**	**1.2930**	**61.4288**	**16.0839**	**1.2595**	**17.3434**	**0.0000**	**73,593.9908**	**73,593.9908**	**2.3689**	**0.1630**	**73,701.7985**

	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	N20	CO2e
Percent Reduction	**89.77**	**4.87**	**70.88**	**57.82**	**5.00**	**98.18**	**54.27**	**5.00**	**98.23**	**80.27**	**100.00**	**-1.13**	**8.39**	**80.19**	**71.78**	**8.79**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.5870	68.9094	158.7128	0.6366	60.1358	0.4898	60.6256	16.0839	0.4563	16.5402		64,622.6955	64,622.6955	2.1228		64,675.7657
Unmitigated	17.8403	70.2702	165.0756	0.6670	63.3008	0.5114	63.8123	16.9304	0.4765	17.4069		67,697.3418	67,697.3418	2.2020		67,752.3916

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,615,905
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,407,426
Total	15,424.77	14,344.77	14,344.77	29,126,929	27,670,583

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (Mitigated) - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
NaturalGas Unmitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Unmitigated	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**407.4785**	**8.1320**	**538.6839**	**0.9413**		**70.3651**	**70.3651**		**70.3651**	**70.3651**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7082**	**0.5337**	**10,632.7255**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**25.7281**	**5.5837**	**45.4855**	**0.0348**		**0.6511**	**0.6511**		**0.6511**	**0.6511**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.2000**	**0.1190**	**6,610.3380**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative (Mitigated)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (Mitigated) - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	15.1319	72.8918	167.9795	0.6252	63.3008	0.5138	63.8147	16.9304	0.4787	17.4091		63,459.9708	63,459.9708	2.2673		63,516.6536
Total	**422.8305**	**82.9326**	**707.6670**	**1.5785**	**63.3008**	**71.0310**	**134.3318**	**16.9304**	**70.9959**	**87.9263**	**7,559.9381**	**68,532.4309**	**76,092.3689**	**12.0215**	**0.5778**	**76,565.0739**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	14.8806	71.3814	162.2965	0.5967	60.1358	0.4922	60.6280	16.0839	0.4586	16.5425		60,568.7638	60,568.7638	2.1908		60,623.5345
Total	**40.8289**	**78.8739**	**208.7856**	**0.6434**	**60.1358**	**1.2954**	**61.4312**	**16.0839**	**1.2618**	**17.3456**	**0.0000**	**69,540.0592**	**69,540.0592**	**2.4369**	**0.1630**	**69,649.5673**

	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	N20	CO2e
Percent Reduction	**90.34**	**4.89**	**70.50**	**59.24**	**5.00**	**98.18**	**54.27**	**5.00**	**98.22**	**80.27**	**100.00**	**-1.47**	**8.61**	**79.73**	**71.78**	**9.03**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.8806	71.3814	162.2965	0.5967	60.1358	0.4922	60.6280	16.0839	0.4586	16.5425		60,568.7638	60,568.7638	2.1908		60,623.5345
Unmitigated	15.1319	72.8918	167.9795	0.6252	63.3008	0.5138	63.8147	16.9304	0.4787	17.4091		63,459.9708	63,459.9708	2.2673		63,516.6536

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,615,905
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,407,426
Total	15,424.77	14,344.77	14,344.77	29,126,929	27,670,583

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (Mitigated) - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
NaturalGas Unmitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7282	5.5837	45.4855	0.0348		0.6511	0.6511		0.6511	0.6511	0.0000	6,569.8710	6,569.8710	0.2000	0.1190	6,610.3380
Unmitigated	407.4785	8.1320	538.6839	0.9413		70.3651	70.3651		70.3651	70.3651	7,559.9381	2,671.0357	10,230.9738	9.7082	0.5337	10,632.7255

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**407.4785**	**8.1320**	**538.6839**	**0.9413**		**70.3651**	**70.3651**		**70.3651**	**70.3651**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7082**	**0.5337**	**10,632.7255**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3140	0.4985	43.3216	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0756		80.0433
Total	**25.7281**	**5.5837**	**45.4855**	**0.0348**		**0.6511**	**0.6511**		**0.6511**	**0.6511**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.2000**	**0.1190**	**6,610.3380**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative (Mitigated)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.71	0.46	1.71	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	40.91	99.61	97.15	99.49	99.49	100.00	-150.37	43.97	99.24	77.78	46.27
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.62	2.01	3.53	4.54	4.22	4.22	0.00	4.53	4.53	3.46	0.00	4.53
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.30	0.76		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate School Scenario Year 2030 - Unmitigated

Bridle Gate School Alternative (2030)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (2030) - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	220.00	550.00
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175

tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7218	473.7218	0.1379	0.0000	477.1698
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5209	1,574.5209	0.1120	0.0000	1,577.3196
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3805	1,559.3805	0.1106	0.0000	1,562.1453
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9657
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5209**	**1,574.5209**	**0.2304**	**0.0000**	**1,577.3196**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7213	473.7213	0.1379	0.0000	477.1693
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5206	1,574.5206	0.1120	0.0000	1,577.3192
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3801	1,559.3801	0.1106	0.0000	1,562.1448
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9656
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5206**	**1,574.5206**	**0.2304**	**0.0000**	**1,577.3192**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5202	0.5202
11	**1-1-2023**	**3-31-2023**	1.9276	1.9276
12	**4-1-2023**	**6-30-2023**	1.9613	1.9613
13	**7-1-2023**	**9-30-2023**	1.9829	1.9829
14	**10-1-2023**	**12-31-2023**	1.9994	1.9994
15	**1-1-2024**	**3-31-2024**	1.9261	1.9261
16	**4-1-2024**	**6-30-2024**	1.9108	1.9108
17	**7-1-2024**	**9-30-2024**	1.9318	1.9318
18	**10-1-2024**	**12-31-2024**	1.9473	1.9473
19	**1-1-2025**	**3-31-2025**	0.7078	0.7078
		Highest	1.9994	1.9994

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9167	0.0928	6.9832	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9503
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	849.0048	849.0048	0.0824	0.0228	857.8498
Mobile	2.2642	11.7016	23.5306	0.1029	10.8322	0.0692	10.9014	2.9057	0.0644	2.9701	0.0000	9,506.4771	9,506.4771	0.3118	0.0000	9,514.2731
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	33.4049	49.6053	1.6695	0.0404	103.3916
Total	**9.2211**	**12.1427**	**30.6970**	**0.1116**	**10.8322**	**0.5633**	**11.3955**	**2.9057**	**0.5585**	**3.4642**	**226.3863**	**10,408.3697**	**10,634.7560**	**11.8883**	**0.0659**	**10,951.5995**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4679	0.0732	3.9044	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.7700e-003	6.0000e-004	39.5322
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	849.0048	849.0048	0.0824	0.0228	857.8498
Mobile	2.2642	11.7016	23.5306	0.1029	10.8322	0.0692	10.9014	2.9057	0.0644	2.9701	0.0000	9,506.4771	9,506.4771	0.3118	0.0000	9,514.2731
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	33.4049	49.6053	1.6695	0.0404	103.3916
Total	**6.7723**	**12.1231**	**27.6182**	**0.1055**	**10.8322**	**0.1209**	**10.9530**	**2.9057**	**0.1161**	**3.0218**	**180.9398**	**10,428.0705**	**10,609.0103**	**11.8063**	**0.0638**	**10,923.1814**

	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	N20	CO2e
Percent Reduction	**26.56**	**0.16**	**10.03**	**5.49**	**0.00**	**78.54**	**3.88**	**0.00**	**79.22**	**12.77**	**20.07**	**-0.19**	**0.24**	**0.69**	**3.19**	**0.26**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.2642	11.7016	23.5306	0.1029	10.8322	0.0692	10.9014	2.9057	0.0644	2.9701	0.0000	9,506.4771	9,506.4771	0.3118	0.0000	9,514.2731
Unmitigated	2.2642	11.7016	23.5306	0.1029	10.8322	0.0692	10.9014	2.9057	0.0644	2.9701	0.0000	9,506.4771	9,506.4771	0.3118	0.0000	9,514.2731

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,700,953
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,692,027
Total	15,424.77	14,344.77	14,344.77	29,126,929	29,126,929

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Elementary School	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (2030) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	451.4114	451.4114	0.0748	0.0155	457.8937
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	451.4114	451.4114	0.0748	0.0155	457.8937
NaturalGas Mitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5934	397.5934	7.6200e-003	7.2900e-003	399.9561
NaturalGas Unmitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5934	397.5934	7.6200e-003	7.2900e-003	399.9561

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331834	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7079	17.7079	3.4000e-004	3.2000e-004	17.8132
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5934**	**397.5934**	**7.6300e-003**	**7.2900e-003**	**399.9561**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331834	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.7079	17.7079	3.4000e-004	3.2000e-004	17.8132
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5934**	**397.5934**	**7.6300e-003**	**7.2900e-003**	**399.9561**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	32.1928	5.3300e-003	1.1000e-003	32.6551
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97101e+006	156.4565	0.0259	5.3600e-003	158.7032
Single Family Housing	2.09825e+006	166.5562	0.0276	5.7100e-003	168.9479
Total		**451.4114**	**0.0748**	**0.0155**	**457.8937**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	32.1928	5.3300e-003	1.1000e-003	32.6551
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97101e+006	156.4565	0.0259	5.3600e-003	158.7032
Single Family Housing	2.09825e+006	166.5562	0.0276	5.7100e-003	168.9479
Total		**451.4114**	**0.0748**	**0.0155**	**457.8937**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4679	0.0732	3.9044	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.7700e-003	6.0000e-004	39.5322
Unmitigated	6.9167	0.0928	6.9832	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9503

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1572	0.0479	3.0909	6.3100e-003		0.4447	0.4447		0.4447	0.4447	45.4466	13.1019	58.5484	0.0826	2.7000e-003	61.4158
Landscaping	0.1176	0.0448	3.8923	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1400e-003	0.0000	6.5345
Total	**6.9167**	**0.0928**	**6.9832**	**6.5200e-003**		**0.4663**	**0.4663**		**0.4663**	**0.4663**	**45.4466**	**19.4828**	**64.9294**	**0.0887**	**2.7000e-003**	**67.9503**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6778					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.3100e-003	0.0283	0.0121	1.8000e-004		2.2900e-003	2.2900e-003		2.2900e-003	2.2900e-003	0.0000	32.8028	32.8028	6.3000e-004	6.0000e-004	32.9977
Landscaping	0.1176	0.0448	3.8923	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1400e-003	0.0000	6.5345
Total	**4.4679**	**0.0731**	**3.9044**	**3.9000e-004**		**0.0239**	**0.0239**		**0.0239**	**0.0239**	**0.0000**	**39.1837**	**39.1837**	**6.7700e-003**	**6.0000e-004**	**39.5322**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	49.6053	1.6695	0.0404	103.3916
Unmitigated	49.6053	1.6695	0.0404	103.3916

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Elementary School	2.18182 / 5.61038	3.1880	0.0715	1.7600e-003	5.5015
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	17.2658 / 10.885	15.9178	0.5643	0.0136	34.0916
Total		**49.6053**	**1.6695**	**0.0404**	**103.3916**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Elementary School	2.18182 / 5.61038	3.1880	0.0715	1.7600e-003	5.5015
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	17.2658 / 10.885	15.9178	0.5643	0.0136	34.0916
Total		**49.6053**	**1.6695**	**0.0404**	**103.3916**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	164.7394	9.7358	0.0000	408.1348
Unmitigated	164.7394	9.7358	0.0000	408.1348

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

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

11.0 Vegetation

Bridle Gate School Alternative (2030)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (2030) - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	220.00	550.00
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175

tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158
Energy	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596
Mobile	14.8137	64.4735	136.6643	0.6104	63.2806	0.3888	63.6694	16.9207	0.3619	17.2826		62,110.4586	62,110.4586	1.9217		62,158.5004
Total	**422.5051**	**74.5139**	**676.2782**	**1.5637**	**63.2806**	**70.9061**	**134.1867**	**16.9207**	**70.8791**	**87.7999**	**7,559.9381**	**67,182.9831**	**74,742.9211**	**11.6755**	**0.5778**	**75,206.9759**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Energy	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596
Mobile	14.8137	64.4735	136.6643	0.6104	63.2806	0.3888	63.6694	16.9207	0.3619	17.2826		62,110.4586	62,110.4586	1.9217		62,158.5004
Total	**40.7547**	**71.9656**	**183.0798**	**0.6572**	**63.2806**	**1.1921**	**64.4727**	**16.9207**	**1.1651**	**18.0858**	**0.0000**	**71,081.8184**	**71,081.8184**	**2.1673**	**0.1630**	**71,184.5883**

	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	N20	CO2e
Percent Reduction	**90.35**	**3.42**	**72.93**	**57.97**	**0.00**	**98.32**	**51.95**	**0.00**	**98.36**	**79.40**	**100.00**	**-5.80**	**4.90**	**81.44**	**71.78**	**5.35**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.8137	64.4735	136.6643	0.6104	63.2806	0.3888	63.6694	16.9207	0.3619	17.2826		62,110.4586	62,110.4586	1.9217		62,158.5004
Unmitigated	14.8137	64.4735	136.6643	0.6104	63.2806	0.3888	63.6694	16.9207	0.3619	17.2826		62,110.4586	62,110.4586	1.9217		62,158.5004

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,700,953
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,692,027
Total	15,424.77	14,344.77	14,344.77	29,126,929	29,126,929

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Elementary School	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (2030) - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596
NaturalGas Unmitigated	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	909.134	9.8000e-003	0.0891	0.0749	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.9570	106.9570	2.0500e-003	1.9600e-003	107.5926
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9089**	**1.0037**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4888**	**2,401.4888**	**0.0460**	**0.0440**	**2,415.7596**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.909134	9.8000e-003	0.0891	0.0749	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.9570	106.9570	2.0500e-003	1.9600e-003	107.5926
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9089**	**1.0037**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4888**	**2,401.4888**	**0.0460**	**0.0440**	**2,415.7596**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Unmitigated	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**407.4713**	**8.1315**	**538.6102**	**0.9413**		**70.3652**	**70.3652**		**70.3652**	**70.3652**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7078**	**0.5337**	**10,632.7158**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**25.7209**	**5.5832**	**45.4118**	**0.0348**		**0.6512**	**0.6512**		**0.6512**	**0.6512**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.1996**	**0.1190**	**6,610.3283**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative (2030)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (2030) - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Mobile Land Use Mitigation -

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	220.00	550.00
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175

tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158
Energy	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596
Mobile	12.5049	66.3200	138.5921	0.5727	63.2806	0.3903	63.6710	16.9207	0.3633	17.2840		58,289.0711	58,289.0711	1.9862		58,338.7264
Total	**420.1963**	**76.3604**	**678.2060**	**1.5259**	**63.2806**	**70.9076**	**134.1883**	**16.9207**	**70.8806**	**87.8013**	**7,559.9381**	**63,361.5956**	**70,921.5337**	**11.7400**	**0.5778**	**71,387.2019**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Energy	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596
Mobile	12.5049	66.3200	138.5921	0.5727	63.2806	0.3903	63.6710	16.9207	0.3633	17.2840		58,289.0711	58,289.0711	1.9862		58,338.7264
Total	**38.4459**	**73.8121**	**185.0076**	**0.6194**	**63.2806**	**1.1936**	**64.4742**	**16.9207**	**1.1666**	**18.0873**	**0.0000**	**67,260.4309**	**67,260.4309**	**2.2319**	**0.1630**	**67,364.8143**

	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	N20	CO2e
Percent Reduction	**90.85**	**3.34**	**72.72**	**59.41**	**0.00**	**98.32**	**51.95**	**0.00**	**98.35**	**79.40**	**100.00**	**-6.15**	**5.16**	**80.99**	**71.78**	**5.63**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
4	Paving	Paving	5/25/2022	12/20/2022	5	150	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.5049	66.3200	138.5921	0.5727	63.2806	0.3903	63.6710	16.9207	0.3633	17.2840		58,289.0711	58,289.0711	1.9862		58,338.7264
Unmitigated	12.5049	66.3200	138.5921	0.5727	63.2806	0.3903	63.6710	16.9207	0.3633	17.2840		58,289.0711	58,289.0711	1.9862		58,338.7264

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,754,036
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,700,953
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,979,913
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,692,027
Total	15,424.77	14,344.77	14,344.77	29,126,929	29,126,929

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Elementary School	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (2030) - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596
NaturalGas Unmitigated	0.2201	1.9089	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4888	2,401.4888	0.0460	0.0440	2,415.7596

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	909.134	9.8000e-003	0.0891	0.0749	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.9570	106.9570	2.0500e-003	1.9600e-003	107.5926
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9089**	**1.0037**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4888**	**2,401.4888**	**0.0460**	**0.0440**	**2,415.7596**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.909134	9.8000e-003	0.0891	0.0749	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.9570	106.9570	2.0500e-003	1.9600e-003	107.5926
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9089**	**1.0037**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4888**	**2,401.4888**	**0.0460**	**0.0440**	**2,415.7596**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Unmitigated	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**407.4713**	**8.1315**	**538.6102**	**0.9413**		**70.3652**	**70.3652**		**70.3652**	**70.3652**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7078**	**0.5337**	**10,632.7158**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**25.7209**	**5.5832**	**45.4118**	**0.0348**		**0.6512**	**0.6512**		**0.6512**	**0.6512**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.1996**	**0.1190**	**6,610.3283**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative (2030)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.71	0.46	1.71	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	40.91	99.61	97.15	99.49	99.49	100.00	-150.37	43.97	99.24	77.78	46.27
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.30	0.76		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate School
Scenario
Year 2030 - Mitigated

Bridle Gate School Alternative (2030 Mitigated)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (2030 Mitigated) - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7543	315.7543	0.0995	0.0000	318.2415
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5941	728.5941	0.2304	0.0000	734.3539
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7218	473.7218	0.1379	0.0000	477.1698
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5209	1,574.5209	0.1120	0.0000	1,577.3196
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3805	1,559.3805	0.1106	0.0000	1,562.1453
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9657
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5209**	**1,574.5209**	**0.2304**	**0.0000**	**1,577.3196**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2886	3.1215	1.8793	3.5900e-003	0.7659	0.1441	0.9100	0.3928	0.1326	0.5254	0.0000	315.7539	315.7539	0.0995	0.0000	318.2412
2021	0.5550	6.0607	4.0882	8.2900e-003	0.8638	0.2592	1.1230	0.4437	0.2385	0.6821	0.0000	728.5932	728.5932	0.2304	0.0000	734.3531
2022	0.2926	2.8674	2.6814	5.3700e-003	0.3908	0.1255	0.5163	0.1779	0.1155	0.2934	0.0000	473.7213	473.7213	0.1379	0.0000	477.1693
2023	3.6851	4.1571	4.7486	0.0172	0.9353	0.1072	1.0425	0.2527	0.1013	0.3540	0.0000	1,574.5206	1,574.5206	0.1120	0.0000	1,577.3192
2024	3.7062	4.0181	4.6211	0.0170	0.9435	0.0953	1.0388	0.2549	0.0901	0.3450	0.0000	1,559.3801	1,559.3801	0.1106	0.0000	1,562.1448
2025	0.4046	0.3001	0.3602	1.3300e-003	0.0770	6.6000e-003	0.0836	0.0208	6.2500e-003	0.0270	0.0000	121.7551	121.7551	8.4200e-003	0.0000	121.9656
Maximum	**3.7062**	**6.0607**	**4.7486**	**0.0172**	**0.9435**	**0.2592**	**1.1230**	**0.4437**	**0.2385**	**0.6821**	**0.0000**	**1,574.5206**	**1,574.5206**	**0.2304**	**0.0000**	**1,577.3192**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.5951	1.5951
2	**10-1-2020**	**12-31-2020**	1.7997	1.7997
3	**1-1-2021**	**3-31-2021**	1.6298	1.6298
4	**4-1-2021**	**6-30-2021**	1.6475	1.6475
5	**7-1-2021**	**9-30-2021**	1.6656	1.6656

6	**10-1-2021**	**12-31-2021**	1.6660	1.6660
7	**1-1-2022**	**3-31-2022**	1.3684	1.3684
8	**4-1-2022**	**6-30-2022**	0.8790	0.8790
9	**7-1-2022**	**9-30-2022**	0.4092	0.4092
10	**10-1-2022**	**12-31-2022**	0.5202	0.5202
11	**1-1-2023**	**3-31-2023**	1.9276	1.9276
12	**4-1-2023**	**6-30-2023**	1.9613	1.9613
13	**7-1-2023**	**9-30-2023**	1.9829	1.9829
14	**10-1-2023**	**12-31-2023**	1.9994	1.9994
15	**1-1-2024**	**3-31-2024**	1.9261	1.9261
16	**4-1-2024**	**6-30-2024**	1.9108	1.9108
17	**7-1-2024**	**9-30-2024**	1.9318	1.9318
18	**10-1-2024**	**12-31-2024**	1.9473	1.9473
19	**1-1-2025**	**3-31-2025**	0.7078	0.7078
		Highest	1.9994	1.9994

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.9167	0.0928	6.9832	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9503
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	849.0258	849.0258	0.0824	0.0228	857.8712
Mobile	2.2642	11.7016	23.5306	0.1029	10.8322	0.0692	10.9014	2.9057	0.0644	2.9701	0.0000	9,506.4771	9,506.4771	0.3118	0.0000	9,514.2731
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	33.4049	49.6053	1.6695	0.0404	103.3916
Total	**9.2211**	**12.1427**	**30.6970**	**0.1116**	**10.8322**	**0.5633**	**11.3955**	**2.9057**	**0.5585**	**3.4642**	**226.3863**	**10,408.3907**	**10,634.7770**	**11.8883**	**0.0659**	**10,951.6209**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4679	0.0732	3.9044	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.7700e-003	6.0000e-004	39.5322
Energy	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	849.0258	849.0258	0.0824	0.0228	857.8712
Mobile	2.2256	11.4940	22.6874	0.0983	10.2906	0.0664	10.3569	2.7604	0.0617	2.8222	0.0000	9,077.4945	9,077.4945	0.3010	0.0000	9,085.0189
Waste						0.0000	0.0000		0.0000	0.0000	164.7394	0.0000	164.7394	9.7358	0.0000	408.1348
Water						0.0000	0.0000		0.0000	0.0000	16.2004	33.4049	49.6053	1.6695	0.0404	103.3916
Total	**6.7337**	**11.9155**	**26.7749**	**0.1009**	**10.2906**	**0.1180**	**10.4086**	**2.7604**	**0.1134**	**2.8738**	**180.9398**	**9,999.1090**	**10,180.0487**	**11.7955**	**0.0638**	**10,493.9486**

	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	N20	CO2e
Percent Reduction	**26.98**	**1.87**	**12.78**	**9.66**	**5.00**	**79.05**	**8.66**	**5.00**	**79.70**	**17.04**	**20.07**	**3.93**	**4.28**	**0.78**	**3.19**	**4.18**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5767	83.5767	0.0270	0.0000	84.2525
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5767**	**83.5767**	**0.0270**	**0.0000**	**84.2525**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4517	0.0000	0.4517	0.2483	0.0000	0.2483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1019	1.0604	0.5378	9.5000e-004		0.0549	0.0549		0.0505	0.0505	0.0000	83.5766	83.5766	0.0270	0.0000	84.2524
Total	**0.1019**	**1.0604**	**0.5378**	**9.5000e-004**	**0.4517**	**0.0549**	**0.5066**	**0.2483**	**0.0505**	**0.2988**	**0.0000**	**83.5766**	**83.5766**	**0.0270**	**0.0000**	**84.2524**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	1.0700e-003	0.0111	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	3.1153	3.1153	8.0000e-005	0.0000	3.1172
Total	**1.4900e-003**	**1.0700e-003**	**0.0111**	**3.0000e-005**	**3.5600e-003**	**2.0000e-005**	**3.5800e-003**	**9.5000e-004**	**2.0000e-005**	**9.7000e-004**	**0.0000**	**3.1153**	**3.1153**	**8.0000e-005**	**0.0000**	**3.1172**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3856	223.3856	0.0723	0.0000	225.1918
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3856**	**223.3856**	**0.0723**	**0.0000**	**225.1918**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3042	0.0000	0.3042	0.1419	0.0000	0.1419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1825	2.0581	1.3103	2.5400e-003		0.0891	0.0891		0.0820	0.0820	0.0000	223.3853	223.3853	0.0723	0.0000	225.1915
Total	**0.1825**	**2.0581**	**1.3103**	**2.5400e-003**	**0.3042**	**0.0891**	**0.3933**	**0.1419**	**0.0820**	**0.2239**	**0.0000**	**223.3853**	**223.3853**	**0.0723**	**0.0000**	**225.1915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.9400e-003	0.0201	6.0000e-005	6.4800e-003	4.0000e-005	6.5200e-003	1.7200e-003	4.0000e-005	1.7600e-003	0.0000	5.6767	5.6767	1.4000e-004	0.0000	5.6801
Total	**2.7200e-003**	**1.9400e-003**	**0.0201**	**6.0000e-005**	**6.4800e-003**	**4.0000e-005**	**6.5200e-003**	**1.7200e-003**	**4.0000e-005**	**1.7600e-003**	**0.0000**	**5.6767**	**5.6767**	**1.4000e-004**	**0.0000**	**5.6801**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1595	711.1595	0.2300	0.0000	716.9096
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1595**	**711.1595**	**0.2300**	**0.0000**	**716.9096**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.8432	0.0000	0.8432	0.4382	0.0000	0.4382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5470	6.0552	4.0296	8.0900e-003		0.2591	0.2591		0.2384	0.2384	0.0000	711.1587	711.1587	0.2300	0.0000	716.9087
Total	**0.5470**	**6.0552**	**4.0296**	**8.0900e-003**	**0.8432**	**0.2591**	**1.1022**	**0.4382**	**0.2384**	**0.6765**	**0.0000**	**711.1587**	**711.1587**	**0.2300**	**0.0000**	**716.9087**

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	8.0100e-003	5.5300e-003	0.0585	1.9000e-004	0.0206	1.3000e-004	0.0208	5.4900e-003	1.2000e-004	5.6100e-003	0.0000	17.4345	17.4345	3.9000e-004	0.0000	17.4443
Total	**8.0100e-003**	**5.5300e-003**	**0.0585**	**1.9000e-004**	**0.0206**	**1.3000e-004**	**0.0208**	**5.4900e-003**	**1.2000e-004**	**5.6100e-003**	**0.0000**	**17.4345**	**17.4345**	**3.9000e-004**	**0.0000**	**17.4443**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4928	264.4928	0.0855	0.0000	266.6314
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4928**	**264.4928**	**0.0855**	**0.0000**	**266.6314**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3493	0.0000	0.3493	0.1667	0.0000	0.1667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.8839	1.4085	3.0100e-003		0.0793	0.0793		0.0730	0.0730	0.0000	264.4925	264.4925	0.0855	0.0000	266.6311
Total	**0.1758**	**1.8839**	**1.4085**	**3.0100e-003**	**0.3493**	**0.0793**	**0.4286**	**0.1667**	**0.0730**	**0.2397**	**0.0000**	**264.4925**	**264.4925**	**0.0855**	**0.0000**	**266.6311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7700e-003	1.8400e-003	0.0200	7.0000e-005	7.6600e-003	5.0000e-005	7.7100e-003	2.0400e-003	5.0000e-005	2.0800e-003	0.0000	6.2420	6.2420	1.3000e-004	0.0000	6.2452
Total	**2.7700e-003**	**1.8400e-003**	**0.0200**	**7.0000e-005**	**7.6600e-003**	**5.0000e-005**	**7.7100e-003**	**2.0400e-003**	**5.0000e-005**	**2.0800e-003**	**0.0000**	**6.2420**	**6.2420**	**1.3000e-004**	**0.0000**	**6.2452**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2067	150.2067	0.0486	0.0000	151.4212
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2067**	**150.2067**	**0.0486**	**0.0000**	**151.4212**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0827	0.8344	1.0935	1.7100e-003		0.0426	0.0426		0.0392	0.0392	0.0000	150.2065	150.2065	0.0486	0.0000	151.4210
Paving	0.0118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0945**	**0.8344**	**1.0935**	**1.7100e-003**		**0.0426**	**0.0426**		**0.0392**	**0.0392**	**0.0000**	**150.2065**	**150.2065**	**0.0486**	**0.0000**	**151.4210**

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	3.2200e-003	2.1400e-003	0.0232	8.0000e-005	8.8900e-003	6.0000e-005	8.9500e-003	2.3600e-003	5.0000e-005	2.4200e-003	0.0000	7.2394	7.2394	1.5000e-004	0.0000	7.2432
Total	**3.2200e-003**	**2.1400e-003**	**0.0232**	**8.0000e-005**	**8.8900e-003**	**6.0000e-005**	**8.9500e-003**	**2.3600e-003**	**5.0000e-005**	**2.4200e-003**	**0.0000**	**7.2394**	**7.2394**	**1.5000e-004**	**0.0000**	**7.2432**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8200e-003	0.0625	0.0655	1.1000e-004		3.2400e-003	3.2400e-003		3.0400e-003	3.0400e-003	0.0000	9.2690	9.2690	2.2200e-003	0.0000	9.3245
Total	**6.8200e-003**	**0.0625**	**0.0655**	**1.1000e-004**		**3.2400e-003**	**3.2400e-003**		**3.0400e-003**	**3.0400e-003**	**0.0000**	**9.2690**	**9.2690**	**2.2200e-003**	**0.0000**	**9.3245**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3300e-003	0.0780	0.0193	2.1000e-004	5.1700e-003	1.6000e-004	5.3200e-003	1.4900e-003	1.5000e-004	1.6400e-003	0.0000	20.2359	20.2359	9.6000e-004	0.0000	20.2599
Worker	7.1300e-003	4.7300e-003	0.0514	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2400e-003	1.2000e-004	5.3500e-003	0.0000	16.0360	16.0360	3.3000e-004	0.0000	16.0444
Total	**9.4600e-003**	**0.0827**	**0.0707**	**3.9000e-004**	**0.0249**	**2.9000e-004**	**0.0251**	**6.7300e-003**	**2.7000e-004**	**6.9900e-003**	**0.0000**	**36.2720**	**36.2720**	**1.2900e-003**	**0.0000**	**36.3043**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3462**	**301.3462**	**0.0717**	**0.0000**	**303.1383**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	**0.2045**	**1.8700**	**2.1117**	**3.5000e-003**		**0.0910**	**0.0910**		**0.0856**	**0.0856**	**0.0000**	**301.3458**	**301.3458**	**0.0717**	**0.0000**	**303.1380**

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	0.0569	1.9533	0.5620	6.6400e-003	0.1680	2.2500e-003	0.1702	0.0486	2.1500e-003	0.0507	0.0000	639.2357	639.2357	0.0266	0.0000	639.9006
Worker	0.2167	0.1382	1.5356	5.5400e-003	0.6400	4.0000e-003	0.6440	0.1703	3.6900e-003	0.1739	0.0000	501.2116	501.2116	9.7500e-003	0.0000	501.4553
Total	**0.2736**	**2.0915**	**2.0975**	**0.0122**	**0.8079**	**6.2500e-003**	**0.8142**	**0.2188**	**5.8400e-003**	**0.2247**	**0.0000**	**1,140.4473**	**1,140.4473**	**0.0364**	**0.0000**	**1,141.3560**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7223**	**303.7223**	**0.0718**	**0.0000**	**305.5179**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	**0.1928**	**1.7611**	**2.1179**	**3.5300e-003**		**0.0803**	**0.0803**		**0.0756**	**0.0756**	**0.0000**	**303.7220**	**303.7220**	**0.0718**	**0.0000**	**305.5175**

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	0.0555	1.9463	0.5452	6.6400e-003	0.1693	2.2200e-003	0.1715	0.0490	2.1200e-003	0.0511	0.0000	639.8054	639.8054	0.0263	0.0000	640.4619
Worker	0.2052	0.1258	1.4333	5.3600e-003	0.6449	3.9600e-003	0.6489	0.1716	3.6400e-003	0.1752	0.0000	485.0781	485.0781	8.8500e-003	0.0000	485.2993
Total	**0.2607**	**2.0721**	**1.9786**	**0.0120**	**0.8141**	**6.1800e-003**	**0.8203**	**0.2205**	**5.7600e-003**	**0.2263**	**0.0000**	**1,124.8835**	**1,124.8835**	**0.0351**	**0.0000**	**1,125.7612**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1920	23.1920	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1920**	**23.1920**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0137	0.1247	0.1609	2.7000e-004		5.2800e-003	5.2800e-003		4.9600e-003	4.9600e-003	0.0000	23.1919	23.1919	5.4500e-003	0.0000	23.3282
Total	**0.0137**	**0.1247**	**0.1609**	**2.7000e-004**		**5.2800e-003**	**5.2800e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**23.1919**	**23.1919**	**5.4500e-003**	**0.0000**	**23.3282**

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	4.1100e-003	0.1468	0.0404	5.0000e-004	0.0129	1.7000e-004	0.0131	3.7400e-003	1.6000e-004	3.9000e-003	0.0000	48.5209	48.5209	1.9700e-003	0.0000	48.5701
Worker	0.0148	8.7300e-003	0.1014	3.9000e-004	0.0492	3.0000e-004	0.0495	0.0131	2.7000e-004	0.0134	0.0000	35.5217	35.5217	6.1000e-004	0.0000	35.5369
Total	**0.0189**	**0.1555**	**0.1418**	**8.9000e-004**	**0.0622**	**4.7000e-004**	**0.0626**	**0.0168**	**4.3000e-004**	**0.0173**	**0.0000**	**84.0426**	**84.0426**	**2.5800e-003**	**0.0000**	**84.1070**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9370	32.9370	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9370**	**32.9370**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0247	0.1681	0.2336	3.8000e-004		9.1400e-003	9.1400e-003		9.1400e-003	9.1400e-003	0.0000	32.9369	32.9369	1.9700e-003	0.0000	32.9862
Total	**3.1639**	**0.1681**	**0.2336**	**3.8000e-004**		**9.1400e-003**	**9.1400e-003**		**9.1400e-003**	**9.1400e-003**	**0.0000**	**32.9369**	**32.9369**	**1.9700e-003**	**0.0000**	**32.9862**

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	0.0431	0.0275	0.3057	1.1000e-003	0.1274	8.0000e-004	0.1282	0.0339	7.3000e-004	0.0346	0.0000	99.7906	99.7906	1.9400e-003	0.0000	99.8391
Total	**0.0431**	**0.0275**	**0.3057**	**1.1000e-003**	**0.1274**	**8.0000e-004**	**0.1282**	**0.0339**	**7.3000e-004**	**0.0346**	**0.0000**	**99.7906**	**99.7906**	**1.9400e-003**	**0.0000**	**99.8391**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.1879					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	**3.2116**	**0.1597**	**0.2371**	**3.9000e-004**		**7.9800e-003**	**7.9800e-003**		**7.9800e-003**	**7.9800e-003**	**0.0000**	**33.4476**	**33.4476**	**1.8800e-003**	**0.0000**	**33.4947**

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	0.0412	0.0252	0.2876	1.0800e-003	0.1294	7.9000e-004	0.1302	0.0344	7.3000e-004	0.0352	0.0000	97.3271	97.3271	1.7800e-003	0.0000	97.3714
Total	**0.0412**	**0.0252**	**0.2876**	**1.0800e-003**	**0.1294**	**7.9000e-004**	**0.1302**	**0.0344**	**7.3000e-004**	**0.0352**	**0.0000**	**97.3271**	**97.3271**	**1.7800e-003**	**0.0000**	**97.3714**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5600e-003	0.0172	0.0271	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	3.8299	3.8299	2.1000e-004	0.0000	3.8351
Total	**0.3676**	**0.0172**	**0.0271**	**4.0000e-005**		**7.7000e-004**	**7.7000e-004**		**7.7000e-004**	**7.7000e-004**	**0.0000**	**3.8299**	**3.8299**	**2.1000e-004**	**0.0000**	**3.8351**

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	4.4600e-003	2.6300e-003	0.0305	1.2000e-004	0.0148	9.0000e-005	0.0149	3.9400e-003	8.0000e-005	4.0200e-003	0.0000	10.6907	10.6907	1.8000e-004	0.0000	10.6953
Total	**4.4600e-003**	**2.6300e-003**	**0.0305**	**1.2000e-004**	**0.0148**	**9.0000e-005**	**0.0149**	**3.9400e-003**	**8.0000e-005**	**4.0200e-003**	**0.0000**	**10.6907**	**10.6907**	**1.8000e-004**	**0.0000**	**10.6953**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.2256	11.4940	22.6874	0.0983	10.2906	0.0664	10.3569	2.7604	0.0617	2.8222	0.0000	9,077.4945	9,077.4945	0.3010	0.0000	9,085.0189
Unmitigated	2.2642	11.7016	23.5306	0.1029	10.8322	0.0692	10.9014	2.9057	0.0644	2.9701	0.0000	9,506.4771	9,506.4771	0.3118	0.0000	9,514.2731

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,615,905
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,407,426
Total	15,424.77	14,344.77	14,344.77	29,126,929	27,670,583

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Elementary School	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (2030 Mitigated) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	451.4431	451.4431	0.0748	0.0155	457.9258
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	451.4431	451.4431	0.0748	0.0155	457.9258
NaturalGas Mitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5827	397.5827	7.6200e-003	7.2900e-003	399.9454
NaturalGas Unmitigated	0.0402	0.3484	0.1832	2.1900e-003		0.0278	0.0278		0.0278	0.0278	0.0000	397.5827	397.5827	7.6200e-003	7.2900e-003	399.9454

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5827**	**397.5827**	**7.6300e-003**	**7.2900e-003**	**399.9454**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.66813e+006	8.9900e-003	0.0769	0.0327	4.9000e-004		6.2100e-003	6.2100e-003		6.2100e-003	6.2100e-003	0.0000	89.0176	89.0176	1.7100e-003	1.6300e-003	89.5466
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.38748e+006	7.4800e-003	0.0680	0.0571	4.1000e-004		5.1700e-003	5.1700e-003		5.1700e-003	5.1700e-003	0.0000	74.0413	74.0413	1.4200e-003	1.3600e-003	74.4813
Parking Lot	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
Regional Shopping Center	331634	1.7900e-003	0.0163	0.0137	1.0000e-004		1.2400e-003	1.2400e-003		1.2400e-003	1.2400e-003	0.0000	17.6973	17.6973	3.4000e-004	3.2000e-004	17.8024
Single Family Housing	4.06318e+006	0.0219	0.1872	0.0797	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8266	216.8266	4.1600e-003	3.9800e-003	218.1150
Total		**0.0402**	**0.3484**	**0.1832**	**2.2000e-003**		**0.0278**	**0.0278**		**0.0278**	**0.0278**	**0.0000**	**397.5827**	**397.5827**	**7.6300e-003**	**7.2900e-003**	**399.9454**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	32.1928	5.3300e-003	1.1000e-003	32.6551
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97141e+006	156.4882	0.0259	5.3700e-003	158.7354
Single Family Housing	2.09825e+006	166.5561	0.0276	5.7100e-003	168.9479
Total		**451.4431**	**0.0748**	**0.0155**	**457.9258**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.07199e+006	85.0929	0.0141	2.9200e-003	86.3149
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	405560	32.1928	5.3300e-003	1.1000e-003	32.6551
Parking Lot	140000	11.1130	1.8400e-003	3.8000e-004	11.2726
Regional Shopping Center	1.97141e+006	156.4882	0.0259	5.3700e-003	158.7354
Single Family Housing	2.09825e+006	166.5561	0.0276	5.7100e-003	168.9479
Total		**451.4431**	**0.0748**	**0.0155**	**457.9258**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4679	0.0732	3.9044	3.9000e-004		0.0239	0.0239		0.0239	0.0239	0.0000	39.1837	39.1837	6.7700e-003	6.0000e-004	39.5322
Unmitigated	6.9167	0.0928	6.9832	6.5200e-003		0.4663	0.4663		0.4663	0.4663	45.4466	19.4828	64.9294	0.0887	2.7000e-003	67.9503

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9727					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.1572	0.0479	3.0909	6.3100e-003		0.4447	0.4447		0.4447	0.4447	45.4466	13.1019	58.5484	0.0826	2.7000e-003	61.4158
Landscaping	0.1176	0.0448	3.8923	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1400e-003	0.0000	6.5345
Total	**6.9167**	**0.0928**	**6.9832**	**6.5200e-003**		**0.4663**	**0.4663**		**0.4663**	**0.4663**	**45.4466**	**19.4828**	**64.9294**	**0.0887**	**2.7000e-003**	**67.9503**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6692					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.6778					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.3100e-003	0.0283	0.0121	1.8000e-004		2.2900e-003	2.2900e-003		2.2900e-003	2.2900e-003	0.0000	32.8028	32.8028	6.3000e-004	6.0000e-004	32.9977
Landscaping	0.1176	0.0448	3.8923	2.1000e-004		0.0216	0.0216		0.0216	0.0216	0.0000	6.3810	6.3810	6.1400e-003	0.0000	6.5345
Total	**4.4679**	**0.0731**	**3.9044**	**3.9000e-004**		**0.0239**	**0.0239**		**0.0239**	**0.0239**	**0.0000**	**39.1837**	**39.1837**	**6.7700e-003**	**6.0000e-004**	**39.5322**

7.0 Water Detail

7.1 Mitigation Measures Water

Bridle Gate School Alternative (2030 Mitigated) - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	49.6053	1.6695	0.0404	103.3916
Unmitigated	49.6053	1.6695	0.0404	103.3916

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Elementary School	2.18182 / 5.61038	3.1880	0.0715	1.7600e-003	5.5015
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	17.2658 / 10.885	15.9178	0.5643	0.0136	34.0916
Total		**49.6053**	**1.6695**	**0.0404**	**103.3916**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	16.8097 / 10.5974	15.4973	0.5494	0.0133	33.1911
City Park	0 / 5.12337	1.4234	2.4000e-004	5.0000e-005	1.4438
Elementary School	2.18182 / 5.61038	3.1880	0.0715	1.7600e-003	5.5015
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	14.8071 / 9.07532	13.5789	0.4840	0.0117	29.1637
Single Family Housing	17.2658 / 10.885	15.9178	0.5643	0.0136	34.0916
Total		**49.6053**	**1.6695**	**0.0404**	**103.3916**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	164.7394	9.7358	0.0000	408.1348
Unmitigated	164.7394	9.7358	0.0000	408.1348

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	118.68	24.0910	1.4237	0.0000	59.6844
City Park	0.37	0.0751	4.4400e-003	0.0000	0.1861
Elementary School	164.25	33.3413	1.9704	0.0000	82.6016
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	209.9	42.6078	2.5181	0.0000	105.5590
Single Family Housing	318.36	64.6242	3.8192	0.0000	160.1037
Total		**164.7394**	**9.7358**	**0.0000**	**408.1348**

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

11.0 Vegetation

Bridle Gate School Alternative (2030 Mitigated)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (2030 Mitigated) - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0939
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5196	50.2396	32.4949	0.0637	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,170.0206	6,170.0206	1.9464	0.0000	6,218.6799
2021	4.2555	46.4374	31.3697	0.0636	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,165.4353	6,165.4353	1.9463	0.0000	6,214.0938
2022	4.1405	38.8772	34.9790	0.1278	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,944.2184	12,944.2184	1.9474	0.0000	12,968.3794
2023	28.6161	31.7321	37.7338	0.1366	7.4783	0.8245	8.3028	2.0138	0.7795	2.7933	0.0000	13,802.8206	13,802.8206	0.9498	0.0000	13,826.5653
2024	28.3609	30.4322	36.3860	0.1340	7.4783	0.7272	8.2055	2.0138	0.6872	2.7009	0.0000	13,548.4818	13,548.4818	0.9305	0.0000	13,571.7455
2025	28.1247	29.1195	35.1412	0.1315	7.4783	0.6312	8.1095	2.0138	0.5963	2.6101	0.0000	13,298.5771	13,298.5771	0.9136	0.0000	13,321.4181
Maximum	**28.6161**	**50.2396**	**37.7338**	**0.1366**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,802.8206**	**13,802.8206**	**1.9474**	**0.0000**	**13,826.5653**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	14.8137	64.4735	136.6643	0.6104	63.2806	0.3888	63.6694	16.9207	0.3619	17.2826		62,110.4586	62,110.4586	1.9217		62,158.5004
Total	**422.5051**	**74.5139**	**676.2781**	**1.5637**	**63.2806**	**70.9061**	**134.1867**	**16.9207**	**70.8791**	**87.7999**	**7,559.9381**	**67,182.9186**	**74,742.8567**	**11.6755**	**0.5778**	**75,206.9111**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	14.5943	63.3761	131.3538	0.5828	60.1166	0.3727	60.4893	16.0747	0.3468	16.4215		59,303.6173	59,303.6173	1.8525		59,349.9285
Total	**40.5353**	**70.8682**	**177.7693**	**0.6295**	**60.1166**	**1.1759**	**61.2925**	**16.0747**	**1.1501**	**17.2248**	**0.0000**	**68,274.9127**	**68,274.9127**	**2.0981**	**0.1630**	**68,375.9516**

	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	N20	CO2e
Percent Reduction	**90.41**	**4.89**	**73.71**	**59.74**	**5.00**	**98.34**	**54.32**	**5.00**	**98.38**	**80.38**	**100.00**	**-1.63**	**8.65**	**82.03**	**71.78**	**9.08**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0695	0.0421	0.5366	1.6500e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		164.1553	164.1553	3.9600e-003		164.2542
Total	**0.0695**	**0.0421**	**0.5366**	**1.6500e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**164.1553**	**164.1553**	**3.9600e-003**		**164.2542**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0643	0.0376	0.4913	1.5900e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		158.3919	158.3919	3.5400e-003		158.4804
Total	**0.0643**	**0.0376**	**0.4913**	**1.5900e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**158.3919**	**158.3919**	**3.5400e-003**		**158.4804**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0599	0.0337	0.4527	1.5300e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		152.5791	152.5791	3.1800e-003		152.6586
Total	**0.0599**	**0.0337**	**0.4527**	**1.5300e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**152.5791**	**152.5791**	**3.1800e-003**		**152.6586**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0449	0.0253	0.3395	1.1500e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		114.4343	114.4343	2.3800e-003		114.4939
Total	**0.0449**	**0.0253**	**0.3395**	**1.1500e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**114.4343**	**114.4343**	**2.3800e-003**		**114.4939**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.5698	19.2942	4.5149	0.0532	1.3336	0.0382	1.3718	0.3839	0.0366	0.4205		5,637.0467	5,637.0467	0.2555		5,643.4330
Worker	1.8645	1.0500	14.1007	0.0477	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,752.8382	4,752.8382	0.0990		4,755.3142
Total	**2.4343**	**20.3443**	**18.6156**	**0.1008**	**6.4514**	**0.0697**	**6.5210**	**1.7414**	**0.0655**	**1.8069**		**10,389.8848**	**10,389.8848**	**0.3545**		**10,398.7472**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4270	14.9104	4.0646	0.0516	1.3336	0.0170	1.3506	0.3839	0.0162	0.4001		5,478.4698	5,478.4698	0.2183		5,483.9281
Worker	1.7406	0.9444	13.0048	0.0458	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,570.6318	4,570.6318	0.0889		4,572.8551
Total	**2.1676**	**15.8548**	**17.0694**	**0.0975**	**6.4514**	**0.0478**	**6.4992**	**1.7414**	**0.0446**	**1.7860**		**10,049.1016**	**10,049.1016**	**0.3073**		**10,056.7832**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4132	14.7453	3.9160	0.0513	1.3336	0.0167	1.3503	0.3839	0.0160	0.3999		5,441.0469	5,441.0469	0.2141		5,446.3985
Worker	1.6329	0.8532	12.0711	0.0440	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,389.5581	4,389.5581	0.0802		4,391.5629
Total	**2.0461**	**15.5985**	**15.9870**	**0.0953**	**6.4514**	**0.0469**	**6.4984**	**1.7414**	**0.0438**	**1.7852**		**9,830.6049**	**9,830.6049**	**0.2943**		**9,837.9614**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4014	14.5730	3.8029	0.0509	1.3337	0.0164	1.3501	0.3839	0.0157	0.3996		5,405.1039	5,405.1039	0.2100		5,410.3544
Worker	1.5409	0.7757	11.1977	0.0422	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		4,210.7061	4,210.7061	0.0727		4,212.5243
Total	**1.9424**	**15.3487**	**15.0006**	**0.0931**	**6.4515**	**0.0462**	**6.4977**	**1.7414**	**0.0431**	**1.7845**		**9,615.8100**	**9,615.8100**	**0.2828**		**9,622.8787**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3492	0.1895	2.6093	9.2000e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		917.0610	917.0610	0.0178		917.5071
Total	**0.3492**	**0.1895**	**2.6093**	**9.2000e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**917.0610**	**917.0610**	**0.0178**		**917.5071**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3276	0.1712	2.4220	8.8300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		880.7300	880.7300	0.0161		881.1322
Total	**0.3276**	**0.1712**	**2.4220**	**8.8300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**880.7300**	**880.7300**	**0.0161**		**881.1322**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3092	0.1556	2.2467	8.4700e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		844.8447	844.8447	0.0146		845.2095
Total	**0.3092**	**0.1556**	**2.2467**	**8.4700e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**844.8447**	**844.8447**	**0.0146**		**845.2095**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.5943	63.3761	131.3538	0.5828	60.1166	0.3727	60.4893	16.0747	0.3468	16.4215		59,303.6173	59,303.6173	1.8525		59,349.9285
Unmitigated	14.8137	64.4735	136.6643	0.6104	63.2806	0.3888	63.6694	16.9207	0.3619	17.2826		62,110.4586	62,110.4586	1.9217		62,158.5004

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,615,905
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,407,426
Total	15,424.77	14,344.77	14,344.77	29,126,929	27,670,583

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Elementary School	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (2030 Mitigated) - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
NaturalGas Unmitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Unmitigated	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**407.4713**	**8.1315**	**538.6102**	**0.9413**		**70.3652**	**70.3652**		**70.3652**	**70.3652**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7078**	**0.5337**	**10,632.7158**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**25.7209**	**5.5832**	**45.4118**	**0.0348**		**0.6512**	**0.6512**		**0.6512**	**0.6512**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.1996**	**0.1190**	**6,610.3283**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative (2030 Mitigated)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	11.35	75,243.03	0
Parking Lot	1,000.00	Space	9.00	400,000.00	0
City Park	4.30	Acre	4.30	187,308.00	0
Apartments Low Rise	258.00	Dwelling Unit	11.41	258,000.00	738
Single Family Housing	265.00	Dwelling Unit	63.29	477,000.00	758
Regional Shopping Center	199.90	1000sqft	4.37	199,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate School Alternative (2030 Mitigated) - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E CO2 intensity factor adjusted per RPS requirement

Land Use - Project Information

Construction Phase - Schedule adjusted per Applicant provided information

Grading - Grading area adjusted per project plans

Vehicle Trips - Trip Generation provided by Kimley Horn

Energy Use - Adjusted per 2019 CBSC energy efficiency improvements

Area Mitigation -

Mobile Land Use Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	50.00
tblConstructionPhase	NumDays	310.00	440.00
tblConstructionPhase	NumDays	220.00	150.00
tblConstructionPhase	NumDays	3,100.00	550.00
tblConstructionPhase	NumDays	220.00	550.00
tblConstructionPhase	PhaseEndDate	12/15/2020	9/8/2020
tblConstructionPhase	PhaseEndDate	2/22/2022	5/17/2022
tblConstructionPhase	PhaseEndDate	11/14/2034	12/20/2022
tblConstructionPhase	PhaseEndDate	1/10/2034	1/28/2025
tblConstructionPhase	PhaseEndDate	9/18/2035	2/11/2025
tblConstructionPhase	PhaseStartDate	12/16/2020	9/9/2020
tblConstructionPhase	PhaseStartDate	1/11/2034	5/25/2022
tblConstructionPhase	PhaseStartDate	2/23/2022	12/21/2022
tblConstructionPhase	PhaseStartDate	11/15/2034	1/4/2023
tblEnergyUse	T24E	365.68	171.87
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11

tblEnergyUse	T24NG	7,043.85	3,310.61
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	1,100.00	108.00
tblLandUse	LotAcreage	1.73	11.35
tblLandUse	LotAcreage	16.13	11.41
tblLandUse	LotAcreage	86.04	63.29
tblLandUse	LotAcreage	4.59	4.37
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	1.29	1.20
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0784	6,157.0784	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.5236	50.2495	32.4623	0.0635	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	6,157.0783	6,157.0783	1.9461	0.0000	6,205.7313
2021	4.2593	46.4463	31.3381	0.0635	6.4467	1.9864	8.4331	3.3819	1.8275	5.2094	0.0000	6,152.9508	6,152.9508	1.9461	0.0000	6,201.6033
2022	4.2904	38.8851	34.6887	0.1227	6.4514	1.6359	8.0826	3.3819	1.5050	4.8869	0.0000	12,425.8543	12,425.8543	1.9472	0.0000	12,450.3577
2023	28.7806	32.0704	37.1487	0.1309	7.4783	0.8253	8.3035	2.0138	0.7802	2.7940	0.0000	13,232.2275	13,232.2275	0.9580	0.0000	13,256.1780
2024	28.5239	30.7423	35.8141	0.1286	7.4783	0.7279	8.2062	2.0138	0.6878	2.7016	0.0000	12,997.2186	12,997.2186	0.9387	0.0000	13,020.6856
2025	28.2862	29.4046	34.5999	0.1263	7.4783	0.6318	8.1102	2.0138	0.5969	2.6107	0.0000	12,766.2313	12,766.2313	0.9217	0.0000	12,789.2731
Maximum	**28.7806**	**50.2495**	**37.1487**	**0.1309**	**18.2141**	**2.1984**	**20.4125**	**9.9699**	**2.0225**	**11.9924**	**0.0000**	**13,232.2275**	**13,232.2275**	**1.9472**	**0.0000**	**13,256.1780**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	12.5049	66.3200	138.5921	0.5727	63.2806	0.3903	63.6710	16.9207	0.3633	17.2840		58,289.0711	58,289.0711	1.9862		58,338.7264
Total	**420.1963**	**76.3603**	**678.2060**	**1.5259**	**63.2806**	**70.9076**	**134.1883**	**16.9207**	**70.8806**	**87.8013**	**7,559.9381**	**63,361.5312**	**70,921.4692**	**11.7400**	**0.5778**	**71,387.1371**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Energy	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
Mobile	12.2857	65.1047	133.8220	0.5466	60.1166	0.3742	60.4908	16.0747	0.3483	16.4229		55,644.8853	55,644.8853	1.9186		55,692.8502
Total	**38.2267**	**72.5968**	**180.2375**	**0.5934**	**60.1166**	**1.1775**	**61.2941**	**16.0747**	**1.1515**	**17.2262**	**0.0000**	**64,616.1807**	**64,616.1807**	**2.1643**	**0.1630**	**64,718.8733**

	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	N20	CO2e
Percent Reduction	**90.90**	**4.93**	**73.42**	**61.11**	**5.00**	**98.34**	**54.32**	**5.00**	**98.38**	**80.38**	**100.00**	**-1.98**	**8.89**	**81.57**	**71.78**	**9.34**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/8/2020	5	50	
2	Grading	Grading	9/9/2020	5/17/2022	5	440	
3	Paving	Paving	5/25/2022	12/20/2022	5	150	
4	Building Construction	Building Construction	12/21/2022	1/28/2025	5	550	
5	Architectural Coating	Architectural Coating	1/4/2023	2/11/2025	5	550	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 108

Acres of Paving: 9

Residential Indoor: 1,488,375; Residential Outdoor: 496,125; Non-Residential Indoor: 412,715; Non-Residential Outdoor: 137,572; Striped Parking Area: 24,000 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	623.00	197.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	125.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.3 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.2824**	**2.1739**	**8.4563**	**3.3383**	**2.0000**	**5.3383**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0735	0.0520	0.5040	1.5200e-003	0.1643	1.0600e-003	0.1654	0.0436	9.8000e-004	0.0446		151.2131	151.2131	3.7000e-003		151.3055
Total	**0.0735**	**0.0520**	**0.5040**	**1.5200e-003**	**0.1643**	**1.0600e-003**	**0.1654**	**0.0436**	**9.8000e-004**	**0.0446**		**151.2131**	**151.2131**	**3.7000e-003**		**151.3055**

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.2824**	**1.9853**	**8.2677**	**3.3383**	**1.8265**	**5.1648**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0681	0.0464	0.4596	1.4600e-003	0.1643	1.0300e-003	0.1653	0.0436	9.5000e-004	0.0445		145.9073	145.9073	3.3000e-003		145.9899
Total	**0.0681**	**0.0464**	**0.4596**	**1.4600e-003**	**0.1643**	**1.0300e-003**	**0.1653**	**0.0436**	**9.5000e-004**	**0.0445**		**145.9073**	**145.9073**	**3.3000e-003**		**145.9899**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**		**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2824	0.0000	6.2824	3.3383	0.0000	3.3383			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	**3.6248**	**38.8435**	**29.0415**	**0.0621**	**6.2824**	**1.6349**	**7.9173**	**3.3383**	**1.5041**	**4.8424**	**0.0000**	**6,011.4105**	**6,011.4105**	**1.9442**		**6,060.0158**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0636	0.0416	0.4218	1.4100e-003	0.1643	1.0100e-003	0.1653	0.0436	9.3000e-004	0.0445		140.5584	140.5584	2.9600e-003		140.6323
Total	**0.0636**	**0.0416**	**0.4218**	**1.4100e-003**	**0.1643**	**1.0100e-003**	**0.1653**	**0.0436**	**9.3000e-004**	**0.0445**		**140.5584**	**140.5584**	**2.9600e-003**		**140.6323**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**		**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.1572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2600**	**11.1249**	**14.5805**	**0.0228**		**0.5679**	**0.5679**		**0.5225**	**0.5225**	**0.0000**	**2,207.6603**	**2,207.6603**	**0.7140**		**2,225.5104**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0477	0.0312	0.3163	1.0600e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334		105.4188	105.4188	2.2200e-003		105.4742
Total	**0.0477**	**0.0312**	**0.3163**	**1.0600e-003**	**0.1232**	**7.6000e-004**	**0.1240**	**0.0327**	**7.0000e-004**	**0.0334**		**105.4188**	**105.4188**	**2.2200e-003**		**105.4742**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**		**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	**1.7062**	**15.6156**	**16.3634**	**0.0269**		**0.8090**	**0.8090**		**0.7612**	**0.7612**	**0.0000**	**2,554.3336**	**2,554.3336**	**0.6120**		**2,569.6322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.6035	19.4398	5.1870	0.0518	1.3336	0.0396	1.3732	0.3839	0.0379	0.4218		5,493.1264	5,493.1264	0.2761		5,500.0292
Worker	1.9807	1.2965	13.1383	0.0439	5.1178	0.0315	5.1493	1.3575	0.0290	1.3864		4,378.3943	4,378.3943	0.0921		4,380.6963
Total	**2.5842**	**20.7363**	**18.3253**	**0.0957**	**6.4514**	**0.0711**	**6.5224**	**1.7414**	**0.0669**	**1.8082**		**9,871.5207**	**9,871.5207**	**0.3682**		**9,880.7255**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4537	14.9831	4.6060	0.0503	1.3336	0.0177	1.3513	0.3839	0.0169	0.4008		5,340.0010	5,340.0010	0.2344		5,345.8612
Worker	1.8553	1.1656	12.0665	0.0422	5.1178	0.0308	5.1486	1.3575	0.0284	1.3858		4,210.7209	4,210.7209	0.0824		4,212.7808
Total	**2.3090**	**16.1487**	**16.6725**	**0.0926**	**6.4514**	**0.0485**	**6.4999**	**1.7414**	**0.0453**	**1.7867**		**9,550.7218**	**9,550.7218**	**0.3168**		**9,558.6419**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4385	14.8159	4.4328	0.0500	1.3336	0.0174	1.3510	0.3839	0.0166	0.4005		5,304.5783	5,304.5783	0.2295		5,310.3167
Worker	1.7476	1.0526	11.1643	0.0405	5.1178	0.0302	5.1480	1.3575	0.0278	1.3853		4,044.0807	4,044.0807	0.0741		4,045.9328
Total	**2.1860**	**15.8685**	**15.5971**	**0.0905**	**6.4514**	**0.0476**	**6.4990**	**1.7414**	**0.0444**	**1.7858**		**9,348.6590**	**9,348.6590**	**0.3036**		**9,356.2495**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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	0.4256	14.6407	4.3007	0.0496	1.3337	0.0170	1.3507	0.3839	0.0163	0.4002		5,270.4445	5,270.4445	0.2249		5,276.0668
Worker	1.6553	0.9567	10.3323	0.0389	5.1178	0.0298	5.1476	1.3575	0.0274	1.3849		3,879.4780	3,879.4780	0.0670		3,881.1537
Total	**2.0809**	**15.5974**	**14.6330**	**0.0885**	**6.4515**	**0.0468**	**6.4983**	**1.7414**	**0.0437**	**1.7851**		**9,149.9224**	**9,149.9224**	**0.2919**		**9,157.2205**

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**24.5266**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3723	0.2339	2.4211	8.4700e-003	1.0269	6.1800e-003	1.0330	0.2724	5.6900e-003	0.2781		844.8477	844.8477	0.0165		845.2610
Total	**0.3723**	**0.2339**	**2.4211**	**8.4700e-003**	**1.0269**	**6.1800e-003**	**1.0330**	**0.2724**	**5.6900e-003**	**0.2781**		**844.8477**	**844.8477**	**0.0165**		**845.2610**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**24.5157**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3506	0.2112	2.2400	8.1300e-003	1.0269	6.0600e-003	1.0329	0.2724	5.5800e-003	0.2780		811.4127	811.4127	0.0149		811.7843
Total	**0.3506**	**0.2112**	**2.2400**	**8.1300e-003**	**1.0269**	**6.0600e-003**	**1.0329**	**0.2724**	**5.5800e-003**	**0.2780**		**811.4127**	**811.4127**	**0.0149**		**811.7843**

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	24.3349					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**24.5058**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.3321	0.1920	2.0731	7.8000e-003	1.0269	5.9800e-003	1.0328	0.2724	5.5000e-003	0.2779		778.3864	778.3864	0.0135		778.7227
Total	**0.3321**	**0.1920**	**2.0731**	**7.8000e-003**	**1.0269**	**5.9800e-003**	**1.0328**	**0.2724**	**5.5000e-003**	**0.2779**		**778.3864**	**778.3864**	**0.0135**		**778.7227**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.2857	65.1047	133.8220	0.5466	60.1166	0.3742	60.4908	16.0747	0.3483	16.4229		55,644.8853	55,644.8853	1.9186		55,692.8502
Unmitigated	12.5049	66.3200	138.5921	0.5727	63.2806	0.3903	63.6710	16.9207	0.3633	17.2840		58,289.0711	58,289.0711	1.9862		58,338.7264

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,625.40	1,625.40	1625.40	3,754,036	3,566,334
City Park	0.00	0.00	0.00		
Elementary School	1,080.00	0.00	0.00	1,700,953	1,615,905
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	10,254.87	10,254.87	10254.87	17,979,913	17,080,917
Single Family Housing	2,464.50	2,464.50	2464.50	5,692,027	5,407,426
Total	15,424.77	14,344.77	14,344.77	29,126,929	27,670,583

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Elementary School	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate School Alternative (2030 Mitigated) - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948
NaturalGas Unmitigated	0.2201	1.9088	1.0037	0.0120		0.1521	0.1521		0.1521	0.1521		2,401.4244	2,401.4244	0.0460	0.0440	2,415.6948

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4570.21	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3801.32	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	908.587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.57021	0.0493	0.4212	0.1792	2.6900e-003		0.0341	0.0341		0.0341	0.0341		537.6720	537.6720	0.0103	9.8600e-003	540.8671
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.80132	0.0410	0.3727	0.3131	2.2400e-003		0.0283	0.0283		0.0283	0.0283		447.2140	447.2140	8.5700e-003	8.2000e-003	449.8716
Parking Lot	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
Regional Shopping Center	0.908587	9.8000e-003	0.0891	0.0748	5.3000e-004		6.7700e-003	6.7700e-003		6.7700e-003	6.7700e-003		106.8925	106.8925	2.0500e-003	1.9600e-003	107.5278
Single Family Housing	11.132	0.1201	1.0259	0.4366	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6458	1,309.6458	0.0251	0.0240	1,317.4284
Total		**0.2201**	**1.9088**	**1.0036**	**0.0120**		**0.1521**	**0.1521**		**0.1521**	**0.1521**		**2,401.4244**	**2,401.4244**	**0.0460**	**0.0440**	**2,415.6948**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	25.7209	5.5832	45.4118	0.0348		0.6512	0.6512		0.6512	0.6512	0.0000	6,569.8710	6,569.8710	0.1996	0.1190	6,610.3283
Unmitigated	407.4713	8.1315	538.6102	0.9413		70.3652	70.3652		70.3652	70.3652	7,559.9381	2,671.0357	10,230.9738	9.7078	0.5337	10,632.7158

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.7684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	380.7292	7.6335	495.3623	0.9390		70.1252	70.1252		70.1252	70.1252	7,559.9381	2,592.8824	10,152.8204	9.6326	0.5337	10,552.6822
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**407.4713**	**8.1315**	**538.6102**	**0.9413**		**70.3652**	**70.3652**		**70.3652**	**70.3652**	**7,559.9381**	**2,671.0357**	**10,230.9738**	**9.7078**	**0.5337**	**10,632.7158**

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	lb/day										lb/day					
Architectural Coating	3.6669					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	20.1522					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.5951	5.0852	2.1639	0.0325		0.4111	0.4111		0.4111	0.4111	0.0000	6,491.7177	6,491.7177	0.1244	0.1190	6,530.2947
Landscaping	1.3067	0.4980	43.2479	2.2900e-003		0.2400	0.2400		0.2400	0.2400		78.1534	78.1534	0.0752		80.0336
Total	**25.7209**	**5.5832**	**45.4118**	**0.0348**		**0.6512**	**0.6512**		**0.6512**	**0.6512**	**0.0000**	**6,569.8710**	**6,569.8710**	**0.1996**	**0.1190**	**6,610.3283**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate School Alternative (2030 Mitigated)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02145E+001	7.02145E+001	4.06000E-003	0.00000E+000	7.03161E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22971E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00829E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55596E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19505E+001	6.19505E+001	2.00400E-002	0.00000E+000	6.24514E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36784E+001	5.36784E+001	1.73600E-002	0.00000E+000	5.41124E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45779E+001	3.45779E+001	1.11800E-002	0.00000E+000	3.48575E+001
Rubber Tired Dozers	3.02370E-001	3.17279E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21401E+002	2.21401E+002	7.16100E-002	0.00000E+000	2.23191E+002
Scrapers	4.03470E-001	4.62462E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90815E+002
Tractors/Loaders/ Backhoes	2.09330E-001	2.11519E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59380E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17607E+001	5.17607E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	5.09700E-002	3.44930E-001	4.97900E-001	8.20000E-004	1.78900E-002	1.78900E-002	0.00000E+000	7.02144E+001	7.02144E+001	4.06000E-003	0.00000E+000	7.03160E+001
Cranes	8.20400E-002	8.78060E-001	4.33910E-001	1.39000E-003	3.66200E-002	3.36900E-002	0.00000E+000	1.21984E+002	1.21984E+002	3.94500E-002	0.00000E+000	1.22970E+002
Excavators	9.95400E-002	9.32240E-001	1.43765E+000	2.27000E-003	4.51800E-002	4.15600E-002	0.00000E+000	1.99636E+002	1.99636E+002	6.45700E-002	0.00000E+000	2.01250E+002
Forklifts	8.09800E-002	7.58710E-001	9.42070E-001	1.26000E-003	4.53300E-002	4.17100E-002	0.00000E+000	1.10790E+002	1.10790E+002	3.58300E-002	0.00000E+000	1.11686E+002
Generator Sets	8.10900E-002	7.22030E-001	1.00828E+000	1.81000E-003	3.27200E-002	3.27200E-002	0.00000E+000	1.55432E+002	1.55432E+002	6.55000E-003	0.00000E+000	1.55595E+002
Graders	9.87500E-002	1.28750E+000	3.88520E-001	1.46000E-003	4.08900E-002	3.76200E-002	0.00000E+000	1.28088E+002	1.28088E+002	4.14300E-002	0.00000E+000	1.29124E+002
Pavers	3.10300E-002	3.14830E-001	4.32590E-001	7.10000E-004	1.49600E-002	1.37600E-002	0.00000E+000	6.19504E+001	6.19504E+001	2.00400E-002	0.00000E+000	6.24513E+001
Paving Equipment	2.67300E-002	2.60650E-001	3.81900E-001	6.10000E-004	1.27100E-002	1.17000E-002	0.00000E+000	5.36783E+001	5.36783E+001	1.73600E-002	0.00000E+000	5.41123E+001
Rollers	2.49400E-002	2.58880E-001	2.79050E-001	3.90000E-004	1.49200E-002	1.37300E-002	0.00000E+000	3.45778E+001	3.45778E+001	1.11800E-002	0.00000E+000	3.48574E+001
Rubber Tired Dozers	3.02370E-001	3.17278E+000	1.17992E+000	2.52000E-003	1.54100E-001	1.41780E-001	0.00000E+000	2.21400E+002	2.21400E+002	7.16100E-002	0.00000E+000	2.23190E+002
Scrapers	4.03470E-001	4.62461E+000	3.05828E+000	6.67000E-003	1.80130E-001	1.65720E-001	0.00000E+000	5.86076E+002	5.86076E+002	1.89550E-001	0.00000E+000	5.90814E+002
Tractors/Loaders/Backhoes	2.09330E-001	2.11518E+000	2.83414E+000	3.93000E-003	1.13240E-001	1.04180E-001	0.00000E+000	3.44975E+002	3.44975E+002	1.11570E-001	0.00000E+000	3.47764E+002
Welders	6.72800E-002	3.84820E-001	4.59370E-001	7.00000E-004	1.40500E-002	1.40500E-002	0.00000E+000	5.17606E+001	5.17606E+001	5.45000E-003	0.00000E+000	5.18970E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.28179E-006	1.28179E-006	0.00000E+000	0.00000E+000	1.13772E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22967E-006	1.22967E-006	0.00000E+000	0.00000E+000	1.13848E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20219E-006	1.20219E-006	0.00000E+000	0.00000E+000	1.19254E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17339E-006	1.17339E-006	0.00000E+000	0.00000E+000	1.25351E-006
Generator Sets	0.00000E+000	0.00000E+000	9.91778E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22240E-006	1.22240E-006	0.00000E+000	0.00000E+000	1.22111E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17107E-006	1.17107E-006	0.00000E+000	0.00000E+000	1.16167E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.29135E-006	1.29135E-006	0.00000E+000	0.00000E+000	1.28100E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.30406E-006	1.30406E-006	0.00000E+000	0.00000E+000	1.10880E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.44601E-006	1.44601E-006	0.00000E+000	0.00000E+000	1.43441E-006
Rubber Tired Dozers	0.00000E+000	3.15180E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17434E-006	1.17434E-006	0.00000E+000	0.00000E+000	1.20973E-006
Scrapers	0.00000E+000	2.16234E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19438E-006	1.19438E-006	0.00000E+000	0.00000E+000	1.18480E-006
Tractors/Loaders/Backhoes	0.00000E+000	4.72771E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18849E-006	1.18849E-006	0.00000E+000	0.00000E+000	1.17896E-006
Welders	0.00000E+000	0.00000E+000	2.17685E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15918E-006	1.15918E-006	0.00000E+000	0.00000E+000	1.15614E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.27	0.07	0.27	0.07	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	1.71	0.46	1.71	0.46	0.00	0.00
Grading	Fugitive Dust	1.50	0.75	1.50	0.75	0.00	0.00
Grading	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.45	0.25	0.45	0.25	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	40.91	99.61	97.15	99.49	99.49	100.00	-150.37	43.97	99.24	77.78	46.27
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.70	1.77	3.58	4.53	4.15	4.16	0.00	4.51	4.51	3.48	0.00	4.51
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.30	0.76		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Existing Land Use Designation Alternative Year 2026 - Unmitigated

Bridle Gate (Existing Land Uses Alternative)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate (Existing Land Uses Alternative) - Bay Area AQMD Air District, Annual

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Bridle Gate (Existing Land Uses Alternative) - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	1.00
tblConstructionPhase	PhaseEndDate	9/21/2021	4/7/2021
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Bridle Gate (Existing Land Uses Alternative) - Bay Area AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5835	0.0418	3.1232	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0490	1.4100e-003	34.7528
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	760.8746	760.8746	0.0778	0.0189	768.4421
Mobile	3.8392	17.8981	38.9532	0.1515	14.5215	0.1234	14.6449	3.8964	0.1150	4.0113	0.0000	13,958.0847	13,958.0847	0.4877	0.0000	13,970.2762
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	33.7005	46.8247	1.3524	0.0327	90.3903
Total	**8.4422**	**18.1086**	**42.1611**	**0.1560**	**14.5215**	**0.3847**	**14.9062**	**3.8964**	**0.3763**	**4.2726**	**167.8522**	**14,761.1092**	**14,928.9614**	**9.6536**	**0.0530**	**15,186.1007**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2265	0.0310	1.4665	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6800e-003	3.0000e-004	19.0204
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	760.8746	760.8746	0.0778	0.0189	768.4421
Mobile	3.8392	17.8981	38.9532	0.1515	14.5215	0.1234	14.6449	3.8964	0.1150	4.0113	0.0000	13,958.0847	13,958.0847	0.4877	0.0000	13,970.2762
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	33.7005	46.8247	1.3524	0.0327	90.3903
Total	**7.0853**	**18.0977**	**40.5045**	**0.1527**	**14.5215**	**0.1461**	**14.6676**	**3.8964**	**0.1376**	**4.0340**	**143.1927**	**14,771.5233**	**14,914.7160**	**9.6073**	**0.0519**	**15,170.3682**

	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	N20	CO2e
Percent Reduction	**16.07**	**0.06**	**3.93**	**2.13**	**0.00**	**62.03**	**1.60**	**0.00**	**63.42**	**5.58**	**14.69**	**-0.07**	**0.10**	**0.48**	**2.09**	**0.10**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/7/2021	4/7/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.8392	17.8981	38.9532	0.1515	14.5215	0.1234	14.6449	3.8964	0.1150	4.0113	0.0000	13,958.0847	13,958.0847	0.4877	0.0000	13,970.2762
Unmitigated	3.8392	17.8981	38.9532	0.1515	14.5215	0.1234	14.6449	3.8964	0.1150	4.0113	0.0000	13,958.0847	13,958.0847	0.4877	0.0000	13,970.2762

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	34,867,305
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	4,166,993
Total	21,700.24	21,634.31	21,700.24	39,034,299	39,034,299

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	567.8058	567.8058	0.0741	0.0153	574.2260
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	567.8058	567.8058	0.0741	0.0153	574.2260
NaturalGas Mitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161
NaturalGas Unmitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	27.3661	3.5700e-003	7.4000e-004	27.6756
Regional Shopping Center	3.82485e+006	385.5864	0.0503	0.0104	389.9463
Single Family Housing	1.53608e+006	154.8532	0.0202	4.1800e-003	156.6041
Total		**567.8058**	**0.0741**	**0.0153**	**574.2260**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	27.3661	3.5700e-003	7.4000e-004	27.6756
Regional Shopping Center	3.82485e+006	385.5864	0.0503	0.0104	389.9463
Single Family Housing	1.53608e+006	154.8532	0.0202	4.1800e-003	156.6041
Total		**567.8058**	**0.0741**	**0.0153**	**574.2260**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.2265	0.0310	1.4665	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6800e-003	3.0000e-004	19.0204
Unmitigated	4.5835	0.0418	3.1232	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0490	1.4100e-003	34.7528

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1434	0.0251	1.6627	3.4300e-003		0.2398	0.2398		0.2398	0.2398	24.6595	6.0547	30.7142	0.0466	1.4100e-003	32.2991
Landscaping	0.0452	0.0168	1.4605	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3600e-003	0.0000	2.4537
Total	**4.5835**	**0.0418**	**3.1232**	**3.5100e-003**		**0.2478**	**0.2478**		**0.2478**	**0.2478**	**24.6595**	**8.4494**	**33.1089**	**0.0490**	**1.4100e-003**	**34.7528**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.7155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.6600e-003	0.0142	6.0500e-003	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4688	16.4688	3.2000e-004	3.0000e-004	16.5667
Landscaping	0.0452	0.0168	1.4605	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3600e-003	0.0000	2.4537
Total	**3.2266**	**0.0310**	**1.4665**	**1.7000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**18.8635**	**18.8635**	**2.6800e-003**	**3.0000e-004**	**19.0204**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	46.8247	1.3524	0.0327	90.3903
Unmitigated	46.8247	1.3524	0.0327	90.3903

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	2.1104	2.8000e-004	6.0000e-005	2.1343
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	30.9977	0.9390	0.0227	61.2349
Single Family Housing	12.6399 / 7.96862	13.7166	0.4131	9.9900e-003	27.0212
Total		**46.8247**	**1.3524**	**0.0327**	**90.3903**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	2.1104	2.8000e-004	6.0000e-005	2.1343
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	30.9977	0.9390	0.0227	61.2349
Single Family Housing	12.6399 / 7.96862	13.7166	0.4131	9.9900e-003	27.0212
Total		**46.8247**	**1.3524**	**0.0327**	**90.3903**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	130.0685	7.6868	0.0000	322.2392
Unmitigated	130.0685	7.6868	0.0000	322.2392

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	1.00
tblConstructionPhase	PhaseEndDate	9/21/2021	4/7/2021
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	24.6084	96.2264	219.9255	0.8796	82.9310	0.6777	83.6087	22.1807	0.6313	22.8120		89,291.0528	89,291.0528	2.9447		89,364.6693
Total	**244.8652**	**101.2077**	**496.6338**	**1.3760**	**82.9310**	**37.6087**	**120.5397**	**22.1807**	**37.5623**	**59.7430**	**3,953.3977**	**91,684.7652**	**95,638.1629**	**7.8841**	**0.3004**	**95,924.7696**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	24.6084	96.2264	219.9255	0.8796	82.9310	0.6777	83.6087	22.1807	0.6313	22.8120		89,291.0528	89,291.0528	2.9447		89,364.6693
Total	**42.9391**	**99.8896**	**237.7042**	**0.9026**	**82.9310**	**1.0476**	**83.9785**	**22.1807**	**1.0011**	**23.1818**	**0.0000**	**93,745.7300**	**93,745.7300**	**3.0584**	**0.0811**	**93,846.3672**

	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	N20	CO2e
Percent Reduction	**82.46**	**1.30**	**52.14**	**34.40**	**0.00**	**97.21**	**30.33**	**0.00**	**97.33**	**61.20**	**100.00**	**-2.25**	**1.98**	**61.21**	**72.99**	**2.17**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/7/2021	4/7/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.6084	96.2264	219.9255	0.8796	82.9310	0.6777	83.6087	22.1807	0.6313	22.8120		89,291.0528	89,291.0528	2.9447		89,364.6693
Unmitigated	24.6084	96.2264	219.9255	0.8796	82.9310	0.6777	83.6087	22.1807	0.6313	22.8120		89,291.0528	89,291.0528	2.9447		89,364.6693

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	34,867,305
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	4,166,993
Total	21,700.24	21,634.31	21,700.24	39,034,299	39,034,299

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Unmitigated	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**220.1498**	**4.0574**	**276.2436**	**0.4905**		**36.8571**	**36.8571**		**36.8571**	**36.8571**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9171**	**0.2790**	**5,387.0228**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**18.2238**	**2.7394**	**17.3140**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0914**	**0.0598**	**3,308.6204**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	120.00	1.00
tblConstructionPhase	PhaseEndDate	9/21/2021	4/7/2021
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.8021	99.6252	225.3259	0.8244	82.9310	0.6811	83.6120	22.1807	0.6345	22.8152		83,684.6348	83,684.6348	3.0418		83,760.6792
Total	**241.0588**	**104.6064**	**502.0342**	**1.3207**	**82.9310**	**37.6121**	**120.5430**	**22.1807**	**37.5655**	**59.7462**	**3,953.3977**	**86,078.3472**	**90,031.7449**	**7.9813**	**0.3004**	**90,320.7795**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.8021	99.6252	225.3259	0.8244	82.9310	0.6811	83.6120	22.1807	0.6345	22.8152		83,684.6348	83,684.6348	3.0418		83,760.6792
Total	**39.1327**	**103.2884**	**243.1047**	**0.8474**	**82.9310**	**1.0509**	**83.9819**	**22.1807**	**1.0043**	**23.1850**	**0.0000**	**88,139.3119**	**88,139.3119**	**3.1555**	**0.0811**	**88,242.3771**

	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	N20	CO2e
Percent Reduction	**83.77**	**1.26**	**51.58**	**35.84**	**0.00**	**97.21**	**30.33**	**0.00**	**97.33**	**61.19**	**100.00**	**-2.39**	**2.10**	**60.46**	**72.99**	**2.30**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/7/2021	4/7/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.8021	99.6252	225.3259	0.8244	82.9310	0.6811	83.6120	22.1807	0.6345	22.8152		83,684.6348	83,684.6348	3.0418		83,760.6792
Unmitigated	20.8021	99.6252	225.3259	0.8244	82.9310	0.6811	83.6120	22.1807	0.6345	22.8152		83,684.6348	83,684.6348	3.0418		83,760.6792

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	34,867,305
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	4,166,993
Total	21,700.24	21,634.31	21,700.24	39,034,299	39,034,299

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Unmitigated	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**220.1498**	**4.0574**	**276.2436**	**0.4905**		**36.8571**	**36.8571**		**36.8571**	**36.8571**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9171**	**0.2790**	**5,387.0228**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**18.2238**	**2.7394**	**17.3140**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0914**	**0.0598**	**3,308.6204**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	0	0	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	0	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	43.26	99.64	97.38	99.52	99.52	100.00	-172.00	46.38	99.31	78.72	48.71
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.26	0.59		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"				
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program				
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Existing Land Use Designation Alternative Year 2026 – Mitigated

Bridle Gate (Existing Land Uses Alternative Mit)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative Mit) - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5835	0.0418	3.1232	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0490	1.4100e-003	34.7528
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	760.8746	760.8746	0.0778	0.0189	768.4421
Mobile	3.8392	17.8981	38.9532	0.1515	14.5215	0.1234	14.6449	3.8964	0.1150	4.0113	0.0000	13,958.0847	13,958.0847	0.4877	0.0000	13,970.2762
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	33.7005	46.8247	1.3524	0.0327	90.3903
Total	**8.4422**	**18.1086**	**42.1611**	**0.1560**	**14.5215**	**0.3847**	**14.9062**	**3.8964**	**0.3763**	**4.2726**	**167.8522**	**14,761.1092**	**14,928.9614**	**9.6536**	**0.0530**	**15,186.1007**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2265	0.0310	1.4665	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6800e-003	3.0000e-004	19.0204
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	760.8746	760.8746	0.0778	0.0189	768.4421
Mobile	3.7798	17.5527	37.6048	0.1447	13.7954	0.1183	13.9137	3.7015	0.1102	3.8117	0.0000	13,329.3518	13,329.3518	0.4711	0.0000	13,341.1304
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	33.7005	46.8247	1.3524	0.0327	90.3903
Total	**7.0259**	**17.7523**	**39.1562**	**0.1459**	**13.7954**	**0.1410**	**13.9364**	**3.7015**	**0.1329**	**3.8344**	**143.1927**	**14,142.7904**	**14,285.9831**	**9.5908**	**0.0519**	**14,541.2224**

	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	N20	CO2e
Percent Reduction	**16.78**	**1.97**	**7.13**	**6.51**	**5.00**	**63.36**	**6.51**	**5.00**	**64.69**	**10.26**	**14.69**	**4.19**	**4.31**	**0.65**	**2.09**	**4.25**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.7798	17.5527	37.6048	0.1447	13.7954	0.1183	13.9137	3.7015	0.1102	3.8117	0.0000	13,329.3518	13,329.3518	0.4711	0.0000	13,341.1304
Unmitigated	3.8392	17.8981	38.9532	0.1515	14.5215	0.1234	14.6449	3.8964	0.1150	4.0113	0.0000	13,958.0847	13,958.0847	0.4877	0.0000	13,970.2762

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	33,123,940
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	3,958,644
Total	21,700.24	21,634.31	21,700.24	39,034,299	37,082,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	567.8058	567.8058	0.0741	0.0153	574.2260
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	567.8058	567.8058	0.0741	0.0153	574.2260
NaturalGas Mitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161
NaturalGas Unmitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	27.3661	3.5700e-003	7.4000e-004	27.6756
Regional Shopping Center	3.82485e+006	385.5864	0.0503	0.0104	389.9463
Single Family Housing	1.53608e+006	154.8532	0.0202	4.1800e-003	156.6041
Total		**567.8058**	**0.0741**	**0.0153**	**574.2260**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	27.3661	3.5700e-003	7.4000e-004	27.6756
Regional Shopping Center	3.82485e+006	385.5864	0.0503	0.0104	389.9463
Single Family Housing	1.53608e+006	154.8532	0.0202	4.1800e-003	156.6041
Total		**567.8058**	**0.0741**	**0.0153**	**574.2260**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.2265	0.0310	1.4665	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6800e-003	3.0000e-004	19.0204
Unmitigated	4.5835	0.0418	3.1232	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0490	1.4100e-003	34.7528

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1434	0.0251	1.6627	3.4300e-003		0.2398	0.2398		0.2398	0.2398	24.6595	6.0547	30.7142	0.0466	1.4100e-003	32.2991
Landscaping	0.0452	0.0168	1.4605	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3600e-003	0.0000	2.4537
Total	**4.5835**	**0.0418**	**3.1232**	**3.5100e-003**		**0.2478**	**0.2478**		**0.2478**	**0.2478**	**24.6595**	**8.4494**	**33.1089**	**0.0490**	**1.4100e-003**	**34.7528**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.7155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.6600e-003	0.0142	6.0500e-003	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4688	16.4688	3.2000e-004	3.0000e-004	16.5667
Landscaping	0.0452	0.0168	1.4605	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3600e-003	0.0000	2.4537
Total	**3.2266**	**0.0310**	**1.4665**	**1.7000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**18.8635**	**18.8635**	**2.6800e-003**	**3.0000e-004**	**19.0204**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	46.8247	1.3524	0.0327	90.3903
Unmitigated	46.8247	1.3524	0.0327	90.3903

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	2.1104	2.8000e-004	6.0000e-005	2.1343
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	30.9977	0.9390	0.0227	61.2349
Single Family Housing	12.6399 / 7.96862	13.7166	0.4131	9.9900e-003	27.0212
Total		**46.8247**	**1.3524**	**0.0327**	**90.3903**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	2.1104	2.8000e-004	6.0000e-005	2.1343
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	30.9977	0.9390	0.0227	61.2349
Single Family Housing	12.6399 / 7.96862	13.7166	0.4131	9.9900e-003	27.0212
Total		**46.8247**	**1.3524**	**0.0327**	**90.3903**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	130.0685	7.6868	0.0000	322.2392
Unmitigated	130.0685	7.6868	0.0000	322.2392

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative Mit)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative Mit) - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	24.6084	96.2264	219.9255	0.8796	82.9310	0.6777	83.6087	22.1807	0.6313	22.8120		89,291.0528	89,291.0528	2.9447		89,364.6693
Total	**244.8652**	**101.2077**	**496.6338**	**1.3760**	**82.9310**	**37.6087**	**120.5397**	**22.1807**	**37.5623**	**59.7430**	**3,953.3977**	**91,684.7652**	**95,638.1629**	**7.8841**	**0.3004**	**95,924.7696**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	24.2765	94.4436	211.5896	0.8398	78.7844	0.6494	79.4338	21.0716	0.6049	21.6765		85,262.9322	85,262.9322	2.8409		85,333.9552
Total	**42.6072**	**98.1069**	**229.3683**	**0.8628**	**78.7844**	**1.0193**	**79.8037**	**21.0716**	**0.9747**	**22.0464**	**0.0000**	**89,717.6094**	**89,717.6094**	**2.9547**	**0.0811**	**89,815.6531**

	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	N20	CO2e
Percent Reduction	**82.60**	**3.06**	**53.82**	**37.29**	**5.00**	**97.29**	**33.79**	**5.00**	**97.41**	**63.10**	**100.00**	**2.15**	**6.19**	**62.52**	**72.99**	**6.37**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.2765	94.4436	211.5896	0.8398	78.7844	0.6494	79.4338	21.0716	0.6049	21.6765		85,262.9322	85,262.9322	2.8409		85,333.9552
Unmitigated	24.6084	96.2264	219.9255	0.8796	82.9310	0.6777	83.6087	22.1807	0.6313	22.8120		89,291.0528	89,291.0528	2.9447		89,364.6693

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	33,123,940
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	3,958,644
Total	21,700.24	21,634.31	21,700.24	39,034,299	37,082,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Unmitigated	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**220.1498**	**4.0574**	**276.2436**	**0.4905**		**36.8571**	**36.8571**		**36.8571**	**36.8571**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9171**	**0.2790**	**5,387.0228**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**18.2238**	**2.7394**	**17.3140**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0914**	**0.0598**	**3,308.6204**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative Mit)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative Mit) - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.8021	99.6252	225.3259	0.8244	82.9310	0.6811	83.6120	22.1807	0.6345	22.8152		83,684.6348	83,684.6348	3.0418		83,760.6792
Total	**241.0588**	**104.6064**	**502.0342**	**1.3207**	**82.9310**	**37.6121**	**120.5430**	**22.1807**	**37.5655**	**59.7462**	**3,953.3977**	**86,078.3472**	**90,031.7449**	**7.9813**	**0.3004**	**90,320.7795**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.4729	97.6464	217.8806	0.7870	78.7844	0.6528	79.4372	21.0716	0.6081	21.6797		79,896.8397	79,896.8397	2.9416		79,970.3791
Total	**38.8035**	**101.3097**	**235.6593**	**0.8100**	**78.7844**	**1.0226**	**79.8070**	**21.0716**	**0.9779**	**22.0496**	**0.0000**	**84,351.5168**	**84,351.5168**	**3.0553**	**0.0811**	**84,452.0770**

	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	N20	CO2e
Percent Reduction	**83.90**	**3.15**	**53.06**	**38.67**	**5.00**	**97.28**	**33.79**	**5.00**	**97.40**	**63.09**	**100.00**	**2.01**	**6.31**	**61.72**	**72.99**	**6.50**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.4729	97.6464	217.8806	0.7870	78.7844	0.6528	79.4372	21.0716	0.6081	21.6797		79,896.8397	79,896.8397	2.9416		79,970.3791
Unmitigated	20.8021	99.6252	225.3259	0.8244	82.9310	0.6811	83.6120	22.1807	0.6345	22.8152		83,684.6348	83,684.6348	3.0418		83,760.6792

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	33,123,940
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	3,958,644
Total	21,700.24	21,634.31	21,700.24	39,034,299	37,082,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2237	2.7394	17.3140	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0914	0.0598	3,308.6204
Unmitigated	220.1498	4.0574	276.2435	0.4905		36.8571	36.8571		36.8571	36.8571	3,953.3977	1,227.5648	5,180.9625	4.9171	0.2790	5,387.0228

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**220.1498**	**4.0574**	**276.2436**	**0.4905**		**36.8571**	**36.8571**		**36.8571**	**36.8571**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9171**	**0.2790**	**5,387.0228**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.5020	0.1863	16.2276	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0289		30.0526
Total	**18.2238**	**2.7394**	**17.3140**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0914**	**0.0598**	**3,308.6204**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative Mit)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	0	0	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	0	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	43.26	99.64	97.38	99.52	99.52	100.00	-172.00	46.38	99.31	78.72	48.71
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.55	1.93	3.46	4.51	4.17	4.17	0.00	4.50	4.50	3.39	0.00	4.50
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.26	0.59		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Existing Land Use Designation Alternative Year 2030 - Unmitigated

Bridle Gate (Existing Land Uses Alternative 2030)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative 2030) - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5833	0.0418	3.1207	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0489	1.4100e-003	34.7525
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	640.1600	640.1600	0.0778	0.0189	647.7275
Mobile	3.1759	16.3974	32.1663	0.1389	14.5167	0.0939	14.6106	3.8940	0.0874	3.9814	0.0000	12,827.9122	12,827.9122	0.4269	0.0000	12,838.5841
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	26.5359	39.6601	1.3524	0.0327	83.2257
Total	**7.7786**	**16.6078**	**35.3718**	**0.1434**	**14.5167**	**0.3552**	**14.8719**	**3.8940**	**0.3487**	**4.2427**	**167.8522**	**13,503.0574**	**13,670.9096**	**9.5928**	**0.0530**	**13,926.5289**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2263	0.0310	1.4640	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6600e-003	3.0000e-004	19.0201
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	640.1600	640.1600	0.0778	0.0189	647.7275
Mobile	3.1759	16.3974	32.1663	0.1389	14.5167	0.0939	14.6106	3.8940	0.0874	3.9814	0.0000	12,827.9122	12,827.9122	0.4269	0.0000	12,838.5841
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	26.5359	39.6601	1.3524	0.0327	83.2257
Total	**6.4217**	**16.5970**	**33.7151**	**0.1401**	**14.5167**	**0.1166**	**14.6332**	**3.8940**	**0.1101**	**4.0041**	**143.1927**	**13,513.4715**	**13,656.6642**	**9.5465**	**0.0519**	**13,910.7965**

	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	N20	CO2e
Percent Reduction	**17.44**	**0.07**	**4.68**	**2.32**	**0.00**	**67.18**	**1.60**	**0.00**	**68.44**	**5.62**	**14.69**	**-0.08**	**0.10**	**0.48**	**2.09**	**0.11**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1759	16.3974	32.1663	0.1389	14.5167	0.0939	14.6106	3.8940	0.0874	3.9814	0.0000	12,827.9122	12,827.9122	0.4269	0.0000	12,838.5841
Unmitigated	3.1759	16.3974	32.1663	0.1389	14.5167	0.0939	14.6106	3.8940	0.0874	3.9814	0.0000	12,827.9122	12,827.9122	0.4269	0.0000	12,838.5841

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	34,867,305
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	4,166,993
Total	21,700.24	21,634.31	21,700.24	39,034,299	39,034,299

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	447.0912	447.0912	0.0741	0.0153	453.5114
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	447.0912	447.0912	0.0741	0.0153	453.5114
NaturalGas Mitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161
NaturalGas Unmitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	21.5481	3.5700e-003	7.4000e-004	21.8576
Regional Shopping Center	3.82485e+006	303.6114	0.0503	0.0104	307.9712
Single Family Housing	1.53608e+006	121.9317	0.0202	4.1800e-003	123.6826
Total		**447.0912**	**0.0741**	**0.0153**	**453.5114**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	21.5481	3.5700e-003	7.4000e-004	21.8576
Regional Shopping Center	3.82485e+006	303.6114	0.0503	0.0104	307.9712
Single Family Housing	1.53608e+006	121.9317	0.0202	4.1800e-003	123.6826
Total		**447.0912**	**0.0741**	**0.0153**	**453.5114**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.2263	0.0310	1.4640	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6600e-003	3.0000e-004	19.0201
Unmitigated	4.5833	0.0418	3.1207	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0489	1.4100e-003	34.7525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1434	0.0251	1.6627	3.4300e-003		0.2398	0.2398		0.2398	0.2398	24.6595	6.0547	30.7142	0.0466	1.4100e-003	32.2991
Landscaping	0.0449	0.0168	1.4580	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3500e-003	0.0000	2.4534
Total	**4.5833**	**0.0418**	**3.1207**	**3.5100e-003**		**0.2478**	**0.2478**		**0.2478**	**0.2478**	**24.6595**	**8.4494**	**33.1089**	**0.0489**	**1.4100e-003**	**34.7525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.7155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.6600e-003	0.0142	6.0500e-003	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4688	16.4688	3.2000e-004	3.0000e-004	16.5667
Landscaping	0.0449	0.0168	1.4580	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3500e-003	0.0000	2.4534
Total	**3.2263**	**0.0310**	**1.4640**	**1.7000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**18.8635**	**18.8635**	**2.6700e-003**	**3.0000e-004**	**19.0201**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	39.6601	1.3524	0.0327	83.2257
Unmitigated	39.6601	1.3524	0.0327	83.2257

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	1.6617	2.8000e-004	6.0000e-005	1.6856
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	26.3453	0.9390	0.0227	56.5824
Single Family Housing	12.6399 / 7.96862	11.6530	0.4131	9.9900e-003	24.9576
Total		**39.6601**	**1.3524**	**0.0327**	**83.2257**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	1.6617	2.8000e-004	6.0000e-005	1.6856
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	26.3453	0.9390	0.0227	56.5824
Single Family Housing	12.6399 / 7.96862	11.6530	0.4131	9.9900e-003	24.9576
Total		**39.6601**	**1.3524**	**0.0327**	**83.2257**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	130.0685	7.6868	0.0000	322.2392
Unmitigated	130.0685	7.6868	0.0000	322.2392

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative 2030)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative 2030) - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.4161	88.5810	181.9911	0.8053	82.9045	0.5158	83.4203	22.1680	0.4800	22.6479		81,949.3044	81,949.3044	2.5696		82,013.5435
Total	**240.6700**	**93.5621**	**458.6717**	**1.3017**	**82.9045**	**37.4468**	**120.3513**	**22.1680**	**37.4110**	**59.5789**	**3,953.3977**	**84,343.0168**	**88,296.4145**	**7.5089**	**0.3004**	**88,573.6399**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.4161	88.5810	181.9911	0.8053	82.9045	0.5158	83.4203	22.1680	0.4800	22.6479		81,949.3044	81,949.3044	2.5696		82,013.5435
Total	**38.7439**	**92.2441**	**199.7421**	**0.8283**	**82.9045**	**0.8856**	**83.7901**	**22.1680**	**0.8498**	**23.0178**	**0.0000**	**86,403.9816**	**86,403.9816**	**2.6832**	**0.0811**	**86,495.2376**

	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	N20	CO2e
Percent Reduction	**83.90**	**1.41**	**56.45**	**36.37**	**0.00**	**97.63**	**30.38**	**0.00**	**97.73**	**61.37**	**100.00**	**-2.44**	**2.14**	**64.27**	**72.99**	**2.35**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.4161	88.5810	181.9911	0.8053	82.9045	0.5158	83.4203	22.1680	0.4800	22.6479		81,949.3044	81,949.3044	2.5696		82,013.5435
Unmitigated	20.4161	88.5810	181.9911	0.8053	82.9045	0.5158	83.4203	22.1680	0.4800	22.6479		81,949.3044	81,949.3044	2.5696		82,013.5435

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	34,867,305
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	4,166,993
Total	21,700.24	21,634.31	21,700.24	39,034,299	39,034,299

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Unmitigated	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**220.1470**	**4.0572**	**276.2158**	**0.4905**		**36.8572**	**36.8572**		**36.8572**	**36.8572**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9170**	**0.2790**	**5,387.0190**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**18.2209**	**2.7392**	**17.2862**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0912**	**0.0598**	**3,308.6166**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative 2030)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative 2030) - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	17.1684	90.9507	185.7487	0.7553	82.9045	0.5179	83.4224	22.1680	0.4820	22.6500		76,887.8996	76,887.8996	2.6635		76,954.4863
Total	**237.4223**	**95.9317**	**462.4293**	**1.2517**	**82.9045**	**37.4489**	**120.3534**	**22.1680**	**37.4130**	**59.5810**	**3,953.3977**	**79,281.6120**	**83,235.0097**	**7.6028**	**0.3004**	**83,514.5828**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	17.1684	90.9507	185.7487	0.7553	82.9045	0.5179	83.4224	22.1680	0.4820	22.6500		76,887.8996	76,887.8996	2.6635		76,954.4863
Total	**35.4962**	**94.6137**	**203.4997**	**0.7783**	**82.9045**	**0.8878**	**83.7923**	**22.1680**	**0.8519**	**23.0198**	**0.0000**	**81,342.5767**	**81,342.5767**	**2.7771**	**0.0811**	**81,436.1805**

	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	N20	CO2e
Percent Reduction	**85.05**	**1.37**	**55.99**	**37.82**	**0.00**	**97.63**	**30.38**	**0.00**	**97.72**	**61.36**	**100.00**	**-2.60**	**2.27**	**63.47**	**72.99**	**2.49**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.1684	90.9507	185.7487	0.7553	82.9045	0.5179	83.4224	22.1680	0.4820	22.6500		76,887.8996	76,887.8996	2.6635		76,954.4863
Unmitigated	17.1684	90.9507	185.7487	0.7553	82.9045	0.5179	83.4224	22.1680	0.4820	22.6500		76,887.8996	76,887.8996	2.6635		76,954.4863

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	34,867,305
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	4,166,993
Total	21,700.24	21,634.31	21,700.24	39,034,299	39,034,299

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Unmitigated	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**220.1470**	**4.0572**	**276.2158**	**0.4905**		**36.8572**	**36.8572**		**36.8572**	**36.8572**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9170**	**0.2790**	**5,387.0190**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**18.2209**	**2.7392**	**17.2862**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0912**	**0.0598**	**3,308.6166**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative 2030)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	0	0	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	0	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	43.26	99.64	97.38	99.52	99.52	100.00	-172.00	46.38	99.31	78.72	48.71
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.26	0.59		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Existing Land Use Designation Alternative Year 2030 – Mitigated

Bridle Gate (Existing Land Uses Alternative 2030 Mit)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative 2030 Mit) - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.5833	0.0418	3.1207	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0489	1.4100e-003	34.7525
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	640.1600	640.1600	0.0778	0.0189	647.7275
Mobile	3.1759	16.3974	32.1663	0.1389	14.5167	0.0939	14.6106	3.8940	0.0874	3.9814	0.0000	12,827.9122	12,827.9122	0.4269	0.0000	12,838.5841
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	26.5359	39.6601	1.3524	0.0327	83.2257
Total	**7.7786**	**16.6078**	**35.3718**	**0.1434**	**14.5167**	**0.3552**	**14.8719**	**3.8940**	**0.3487**	**4.2427**	**167.8522**	**13,503.0574**	**13,670.9096**	**9.5928**	**0.0530**	**13,926.5289**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.2263	0.0310	1.4640	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6600e-003	3.0000e-004	19.0201
Energy	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	640.1600	640.1600	0.0778	0.0189	647.7275
Mobile	3.1242	16.1192	31.0362	0.1326	13.7908	0.0900	13.8809	3.6993	0.0838	3.7831	0.0000	12,253.0135	12,253.0135	0.4123	0.0000	12,263.3213
Waste						0.0000	0.0000		0.0000	0.0000	130.0685	0.0000	130.0685	7.6868	0.0000	322.2392
Water						0.0000	0.0000		0.0000	0.0000	13.1242	26.5359	39.6601	1.3524	0.0327	83.2257
Total	**6.3700**	**16.3187**	**32.5850**	**0.1339**	**13.7908**	**0.1127**	**13.9036**	**3.6993**	**0.1065**	**3.8058**	**143.1927**	**12,938.5728**	**13,081.7655**	**9.5320**	**0.0519**	**13,335.5337**

	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	N20	CO2e
Percent Reduction	**18.11**	**1.74**	**7.88**	**6.67**	**5.00**	**68.26**	**6.51**	**5.00**	**69.46**	**10.30**	**14.69**	**4.18**	**4.31**	**0.63**	**2.09**	**4.24**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1242	16.1192	31.0362	0.1326	13.7908	0.0900	13.8809	3.6993	0.0838	3.7831	0.0000	12,253.0135	12,253.0135	0.4123	0.0000	12,263.3213
Unmitigated	3.1759	16.3974	32.1663	0.1389	14.5167	0.0939	14.6106	3.8940	0.0874	3.9814	0.0000	12,827.9122	12,827.9122	0.4269	0.0000	12,838.5841

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	33,123,940
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	3,958,644
Total	21,700.24	21,634.31	21,700.24	39,034,299	37,082,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	447.0912	447.0912	0.0741	0.0153	453.5114
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	447.0912	447.0912	0.0741	0.0153	453.5114
NaturalGas Mitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161
NaturalGas Unmitigated	0.0195	0.1686	0.0848	1.0600e-003		0.0135	0.0135		0.0135	0.0135	0.0000	193.0688	193.0688	3.7000e-003	3.5400e-003	194.2161

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	643422	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3354	34.3354	6.6000e-004	6.3000e-004	34.5395
Single Family Housing	2.97455e+006	0.0160	0.1371	0.0583	8.7000e-004		0.0111	0.0111		0.0111	0.0111	0.0000	158.7334	158.7334	3.0400e-003	2.9100e-003	159.6767
Total		**0.0195**	**0.1686**	**0.0848**	**1.0600e-003**		**0.0135**	**0.0135**		**0.0135**	**0.0135**	**0.0000**	**193.0688**	**193.0688**	**3.7000e-003**	**3.5400e-003**	**194.2161**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	21.5481	3.5700e-003	7.4000e-004	21.8576
Regional Shopping Center	3.82485e+006	303.6114	0.0503	0.0104	307.9712
Single Family Housing	1.53608e+006	121.9317	0.0202	4.1800e-003	123.6826
Total		**447.0912**	**0.0741**	**0.0153**	**453.5114**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	271460	21.5481	3.5700e-003	7.4000e-004	21.8576
Regional Shopping Center	3.82485e+006	303.6114	0.0503	0.0104	307.9712
Single Family Housing	1.53608e+006	121.9317	0.0202	4.1800e-003	123.6826
Total		**447.0912**	**0.0741**	**0.0153**	**453.5114**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.2263	0.0310	1.4640	1.7000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	18.8635	18.8635	2.6600e-003	3.0000e-004	19.0201
Unmitigated	4.5833	0.0418	3.1207	3.5000e-003		0.2478	0.2478		0.2478	0.2478	24.6595	8.4494	33.1089	0.0489	1.4100e-003	34.7525

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9307					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1434	0.0251	1.6627	3.4300e-003		0.2398	0.2398		0.2398	0.2398	24.6595	6.0547	30.7142	0.0466	1.4100e-003	32.2991
Landscaping	0.0449	0.0168	1.4580	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3500e-003	0.0000	2.4534
Total	**4.5833**	**0.0418**	**3.1207**	**3.5100e-003**		**0.2478**	**0.2478**		**0.2478**	**0.2478**	**24.6595**	**8.4494**	**33.1089**	**0.0489**	**1.4100e-003**	**34.7525**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.4642					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.7155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.6600e-003	0.0142	6.0500e-003	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4688	16.4688	3.2000e-004	3.0000e-004	16.5667
Landscaping	0.0449	0.0168	1.4580	8.0000e-005		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	2.3947	2.3947	2.3500e-003	0.0000	2.4534
Total	**3.2263**	**0.0310**	**1.4640**	**1.7000e-004**		**9.2100e-003**	**9.2100e-003**		**9.2100e-003**	**9.2100e-003**	**0.0000**	**18.8635**	**18.8635**	**2.6700e-003**	**3.0000e-004**	**19.0201**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	39.6601	1.3524	0.0327	83.2257
Unmitigated	39.6601	1.3524	0.0327	83.2257

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	1.6617	2.8000e-004	6.0000e-005	1.6856
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	26.3453	0.9390	0.0227	56.5824
Single Family Housing	12.6399 / 7.96862	11.6530	0.4131	9.9900e-003	24.9576
Total		**39.6601**	**1.3524**	**0.0327**	**83.2257**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.98124	1.6617	2.8000e-004	6.0000e-005	1.6856
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	28.7283 / 17.6077	26.3453	0.9390	0.0227	56.5824
Single Family Housing	12.6399 / 7.96862	11.6530	0.4131	9.9900e-003	24.9576
Total		**39.6601**	**1.3524**	**0.0327**	**83.2257**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	130.0685	7.6868	0.0000	322.2392
Unmitigated	130.0685	7.6868	0.0000	322.2392

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	407.23	82.6640	4.8853	0.0000	204.7966
Single Family Housing	233.1	47.3172	2.7964	0.0000	117.2263
Total		**130.0685**	**7.6868**	**0.0000**	**322.2392**

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative 2030 Mit)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative 2030 Mit) - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.4161	88.5810	181.9911	0.8053	82.9045	0.5158	83.4203	22.1680	0.4800	22.6479		81,949.3044	81,949.3044	2.5696		82,013.5435
Total	**240.6700**	**93.5621**	**458.6717**	**1.3017**	**82.9045**	**37.4468**	**120.3513**	**22.1680**	**37.4110**	**59.5789**	**3,953.3977**	**84,343.0168**	**88,296.4145**	**7.5089**	**0.3004**	**88,573.6399**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	20.1287	87.1433	175.0339	0.7690	78.7593	0.4946	79.2539	21.0596	0.4602	21.5198		78,272.0376	78,272.0376	2.4789		78,334.0092
Total	**38.4565**	**90.8063**	**192.7849**	**0.7920**	**78.7593**	**0.8645**	**79.6238**	**21.0596**	**0.8301**	**21.8897**	**0.0000**	**82,726.7147**	**82,726.7147**	**2.5925**	**0.0811**	**82,815.7034**

	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	N20	CO2e
Percent Reduction	**84.02**	**2.95**	**57.97**	**39.15**	**5.00**	**97.69**	**33.84**	**5.00**	**97.78**	**63.26**	**100.00**	**1.92**	**6.31**	**65.47**	**72.99**	**6.50**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	20.1287	87.1433	175.0339	0.7690	78.7593	0.4946	79.2539	21.0596	0.4602	21.5198		78,272.0376	78,272.0376	2.4789		78,334.0092
Unmitigated	20.4161	88.5810	181.9911	0.8053	82.9045	0.5158	83.4203	22.1680	0.4800	22.6479		81,949.3044	81,949.3044	2.5696		82,013.5435

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	33,123,940
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	3,958,644
Total	21,700.24	21,634.31	21,700.24	39,034,299	37,082,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Unmitigated	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**220.1470**	**4.0572**	**276.2158**	**0.4905**		**36.8572**	**36.8572**		**36.8572**	**36.8572**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9170**	**0.2790**	**5,387.0190**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**18.2209**	**2.7392**	**17.2862**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0912**	**0.0598**	**3,308.6166**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative 2030 Mit)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	194.00	Dwelling Unit	64.77	349,200.00	555
Regional Shopping Center	387.84	1000sqft	20.55	387,837.00	0
City Park	5.02	Acre	5.02	218,671.20	0
Parking Lot	1,939.00	Space	17.45	775,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Area Mitigation -

Mobile Land Use Mitigation -

Bridle Gate (Existing Land Uses Alternative 2030 Mit) - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblLandUse	LotAcreage	62.99	64.77
tblLandUse	LotAcreage	8.90	20.55
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.13
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	51.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	17.1684	90.9507	185.7487	0.7553	82.9045	0.5179	83.4224	22.1680	0.4820	22.6500		76,887.8996	76,887.8996	2.6635		76,954.4863
Total	**237.4223**	**95.9317**	**462.4293**	**1.2517**	**82.9045**	**37.4489**	**120.3534**	**22.1680**	**37.4130**	**59.5810**	**3,953.3977**	**79,281.6120**	**83,235.0097**	**7.6028**	**0.3004**	**83,514.5828**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Energy	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
Mobile	16.8812	89.3585	179.4994	0.7212	78.7593	0.4968	79.2560	21.0596	0.4623	21.5218		73,423.7291	73,423.7291	2.5749		73,488.1012
Total	**35.2090**	**93.0215**	**197.2504**	**0.7442**	**78.7593**	**0.8666**	**79.6259**	**21.0596**	**0.8321**	**21.8917**	**0.0000**	**77,878.4062**	**77,878.4062**	**2.6885**	**0.0811**	**77,969.7953**

	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	N20	CO2e
Percent Reduction	**85.17**	**3.03**	**57.34**	**40.54**	**5.00**	**97.69**	**33.84**	**5.00**	**97.78**	**63.26**	**100.00**	**1.77**	**6.44**	**64.64**	**72.99**	**6.64**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	12/15/2020	5	120	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 17.45

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Tractors/Loaders/Backhoes	0	0.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	0.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

Provide Traffic Calming Measures

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	16.8812	89.3585	179.4994	0.7212	78.7593	0.4968	79.2560	21.0596	0.4623	21.5218		73,423.7291	73,423.7291	2.5749		73,488.1012
Unmitigated	17.1684	90.9507	185.7487	0.7553	82.9045	0.5179	83.4224	22.1680	0.4820	22.6500		76,887.8996	76,887.8996	2.6635		76,954.4863

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	19,896.04	19,830.11	19896.04	34,867,305	33,123,940
Single Family Housing	1,804.20	1,804.20	1804.20	4,166,993	3,958,644
Total	21,700.24	21,634.31	21,700.24	39,034,299	37,082,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775
NaturalGas Unmitigated	0.1069	0.9239	0.4648	5.8300e-003		0.0739	0.0739		0.0739	0.0739		1,166.1477	1,166.1477	0.0224	0.0214	1,173.0775

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1762.8	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8149.46	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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
Regional Shopping Center	1.7628	0.0190	0.1728	0.1452	1.0400e-003		0.0131	0.0131		0.0131	0.0131		207.3881	207.3881	3.9700e-003	3.8000e-003	208.6205
Single Family Housing	8.14946	0.0879	0.7510	0.3196	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.7596	958.7596	0.0184	0.0176	964.4570
Total		**0.1069**	**0.9239**	**0.4648**	**5.8300e-003**		**0.0739**	**0.0739**		**0.0739**	**0.0739**		**1,166.1477**	**1,166.1477**	**0.0224**	**0.0214**	**1,173.0775**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.2209	2.7392	17.2862	0.0172		0.2960	0.2960		0.2960	0.2960	0.0000	3,288.5295	3,288.5295	0.0912	0.0598	3,308.6166
Unmitigated	220.1470	4.0572	276.2158	0.4905		36.8572	36.8572		36.8572	36.8572	3,953.3977	1,227.5648	5,180.9625	4.9170	0.2790	5,387.0190

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	16.0586					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	201.0456	3.8711	260.0160	0.4897		36.7676	36.7676		36.7676	36.7676	3,953.3977	1,198.2353	5,151.6330	4.8882	0.2790	5,356.9702
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**220.1470**	**4.0572**	**276.2158**	**0.4905**		**36.8572**	**36.8572**		**36.8572**	**36.8572**	**3,953.3977**	**1,227.5648**	**5,180.9625**	**4.9170**	**0.2790**	**5,387.0190**

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	lb/day										lb/day					
Architectural Coating	2.5437					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	14.8793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2988	2.5530	1.0864	0.0163		0.2064	0.2064		0.2064	0.2064	0.0000	3,259.2000	3,259.2000	0.0625	0.0598	3,278.5678
Landscaping	0.4991	0.1862	16.1998	8.6000e-004		0.0896	0.0896		0.0896	0.0896		29.3295	29.3295	0.0288		30.0488
Total	**18.2209**	**2.7392**	**17.2862**	**0.0172**		**0.2960**	**0.2960**		**0.2960**	**0.2960**	**0.0000**	**3,288.5295**	**3,288.5295**	**0.0912**	**0.0598**	**3,308.6166**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate (Existing Land Uses Alternative 2030 Mit)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	0	0	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	0	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.85	43.26	99.64	97.38	99.52	99.52	100.00	-172.00	46.38	99.31	78.72	48.71
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	1.63	1.70	3.51	4.49	4.09	4.11	0.00	4.48	4.48	3.41	0.00	4.48
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.26	0.59		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
Yes	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.05			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.05			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.05			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Reduced Intensity Alternative Year 2026 - Unmitigated

Bridle Gate - Reduced Intensity Alternative (2026)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	792.00	Student	10.00	66,213.87	0
Parking Lot	500.00	Space	4.50	200,000.00	0
City Park	25.50	Acre	25.50	1,110,780.00	0
Apartments Low Rise	158.00	Dwelling Unit	6.99	158,000.00	452
Single Family Housing	119.00	Dwelling Unit	39.73	214,200.00	340
Regional Shopping Center	100.02	1000sqft	5.30	100,019.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Grading - Based on site plan.

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Mobile Land Use Mitigation -

Area Mitigation -

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	365.68	340.08
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	6,550.78
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	0.00	108.00
tblLandUse	LandUseSquareFeet	100,020.00	100,019.00
tblLandUse	LotAcreage	1.52	10.00
tblLandUse	LotAcreage	9.88	6.99
tblLandUse	LotAcreage	38.64	39.73
tblLandUse	LotAcreage	2.30	5.30
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	1.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1241	1.2738	0.6587	1.1800e-003	0.6035	0.0660	0.6695	0.3052	0.0607	0.3659	0.0000	104.0304	104.0304	0.0325	0.0000	104.8435
Maximum	**0.1241**	**1.2738**	**0.6587**	**1.1800e-003**	**0.6035**	**0.0660**	**0.6695**	**0.3052**	**0.0607**	**0.3659**	**0.0000**	**104.0304**	**104.0304**	**0.0325**	**0.0000**	**104.8435**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1241	1.2738	0.6587	1.1800e-003	0.6035	0.0660	0.6695	0.3052	0.0607	0.3659	0.0000	104.0302	104.0302	0.0325	0.0000	104.8434
Maximum	**0.1241**	**1.2738**	**0.6587**	**1.1800e-003**	**0.6035**	**0.0660**	**0.6695**	**0.3052**	**0.0607**	**0.3659**	**0.0000**	**104.0302**	**104.0302**	**0.0325**	**0.0000**	**104.8434**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.3978	1.3978
		Highest	1.3978	1.3978

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.6079	0.0476	3.5897	3.2100e-003		0.2303	0.2303		0.2303	0.2303	22.3294	10.0577	32.3871	0.0434	1.3400e-003	33.8715
Energy	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	559.5196	559.5196	0.0448	0.0129	564.4877
Mobile	1.3184	6.1870	13.8209	0.0547	5.2856	0.0443	5.3299	1.4182	0.0413	1.4595	0.0000	5,039.2476	5,039.2476	0.1728	0.0000	5,043.5678
Waste						0.0000	0.0000		0.0000	0.0000	94.8435	0.0000	94.8435	5.6051	0.0000	234.9707
Water						0.0000	0.0000		0.0000	0.0000	8.6853	33.0124	41.6977	0.8964	0.0220	70.6494
Total	**4.9519**	**6.4573**	**17.5336**	**0.0593**	**5.2856**	**0.2923**	**5.5778**	**1.4182**	**0.2893**	**1.7075**	**125.8581**	**5,641.8372**	**5,767.6954**	**6.7625**	**0.0362**	**5,947.5470**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3864	0.0380	2.0738	2.0000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	19.7989	19.7989	3.6000e-003	3.0000e-004	19.9785
Energy	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	559.5196	559.5196	0.0448	0.0129	564.4877
Mobile	1.3184	6.1870	13.8209	0.0547	5.2856	0.0443	5.3299	1.4182	0.0413	1.4595	0.0000	5,039.2476	5,039.2476	0.1728	0.0000	5,043.5678
Waste						0.0000	0.0000		0.0000	0.0000	94.8435	0.0000	94.8435	5.6051	0.0000	234.9707
Water						0.0000	0.0000		0.0000	0.0000	8.6853	33.0124	41.6977	0.8964	0.0220	70.6494
Total	**3.7304**	**6.4477**	**16.0177**	**0.0563**	**5.2856**	**0.0746**	**5.3601**	**1.4182**	**0.0716**	**1.4898**	**103.5287**	**5,651.5784**	**5,755.1072**	**6.7227**	**0.0352**	**5,933.6541**

	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	N20	CO2e
Percent Reduction	**24.67**	**0.15**	**8.65**	**5.08**	**0.00**	**74.49**	**3.90**	**0.00**	**75.26**	**12.75**	**17.74**	**-0.17**	**0.22**	**0.59**	**2.87**	**0.23**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/22/2020	5	60	

Acres of Grading (Site Preparation Phase): 108

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.5

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5993	0.0000	0.5993	0.3041	0.0000	0.3041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1223	1.2725	0.6454	1.1400e-003		0.0659	0.0659		0.0607	0.0607	0.0000	100.2920	100.2920	0.0324	0.0000	101.1030
Total	**0.1223**	**1.2725**	**0.6454**	**1.1400e-003**	**0.5993**	**0.0659**	**0.6652**	**0.3041**	**0.0607**	**0.3648**	**0.0000**	**100.2920**	**100.2920**	**0.0324**	**0.0000**	**101.1030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.2800e-003	0.0133	4.0000e-005	4.2700e-003	3.0000e-005	4.3000e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.7383	3.7383	9.0000e-005	0.0000	3.7406
Total	**1.7900e-003**	**1.2800e-003**	**0.0133**	**4.0000e-005**	**4.2700e-003**	**3.0000e-005**	**4.3000e-003**	**1.1400e-003**	**3.0000e-005**	**1.1600e-003**	**0.0000**	**3.7383**	**3.7383**	**9.0000e-005**	**0.0000**	**3.7406**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5993	0.0000	0.5993	0.3041	0.0000	0.3041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1223	1.2725	0.6454	1.1400e-003		0.0659	0.0659		0.0607	0.0607	0.0000	100.2919	100.2919	0.0324	0.0000	101.1028
Total	**0.1223**	**1.2725**	**0.6454**	**1.1400e-003**	**0.5993**	**0.0659**	**0.6652**	**0.3041**	**0.0607**	**0.3648**	**0.0000**	**100.2919**	**100.2919**	**0.0324**	**0.0000**	**101.1028**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.2800e-003	0.0133	4.0000e-005	4.2700e-003	3.0000e-005	4.3000e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.7383	3.7383	9.0000e-005	0.0000	3.7406
Total	**1.7900e-003**	**1.2800e-003**	**0.0133**	**4.0000e-005**	**4.2700e-003**	**3.0000e-005**	**4.3000e-003**	**1.1400e-003**	**3.0000e-005**	**1.1600e-003**	**0.0000**	**3.7383**	**3.7383**	**9.0000e-005**	**0.0000**	**3.7406**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3184	6.1870	13.8209	0.0547	5.2856	0.0443	5.3299	1.4182	0.0413	1.4595	0.0000	5,039.2476	5,039.2476	0.1728	0.0000	5,043.5678
Unmitigated	1.3184	6.1870	13.8209	0.0547	5.2856	0.0443	5.3299	1.4182	0.0413	1.4595	0.0000	5,039.2476	5,039.2476	0.1728	0.0000	5,043.5678

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	995.40	995.40	995.40	2,298,983	2,298,983
City Park	0.00	0.00	0.00		
Elementary School	1,021.68	0.00	0.00	1,609,102	1,609,102
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,131.03	5,131.03	130.03	7,743,642	7,743,642
Single Family Housing	1,106.70	1,106.70	1106.70	2,556,042	2,556,042
Total	8,254.81	7,233.13	2,232.13	14,207,769	14,207,769

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	306.3017	306.3017	0.0400	8.2700e-003	309.7650
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	306.3017	306.3017	0.0400	8.2700e-003	309.7650
NaturalGas Mitigated	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.2179	253.2179	4.8500e-003	4.6400e-003	254.7227
NaturalGas Unmitigated	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.2179	253.2179	4.8500e-003	4.6400e-003	254.7227

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.53351e+006	8.2700e-003	0.0707	0.0301	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	0.0000	81.8341	81.8341	1.5700e-003	1.5000e-003	82.3204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22098e+006	6.5800e-003	0.0599	0.0503	3.6000e-004		4.5500e-003	4.5500e-003		4.5500e-003	4.5500e-003	0.0000	65.1563	65.1563	1.2500e-003	1.1900e-003	65.5435
Parking Lot	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
Regional Shopping Center	166032	9.0000e-004	8.1400e-003	6.8400e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8601	8.8601	1.7000e-004	1.6000e-004	8.9127
Single Family Housing	1.8246e+006	9.8400e-003	0.0841	0.0358	5.4000e-004		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	97.3674	97.3674	1.8700e-003	1.7900e-003	97.9460
Total		**0.0256**	**0.2227**	**0.1230**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.2179**	**253.2179**	**4.8600e-003**	**4.6400e-003**	**254.7227**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.53351e+006	8.2700e-003	0.0707	0.0301	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	0.0000	81.8341	81.8341	1.5700e-003	1.5000e-003	82.3204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22098e+006	6.5800e-003	0.0599	0.0503	3.6000e-004		4.5500e-003	4.5500e-003		4.5500e-003	4.5500e-003	0.0000	65.1563	65.1563	1.2500e-003	1.1900e-003	65.5435
Parking Lot	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
Regional Shopping Center	166032	9.0000e-004	8.1400e-003	6.8400e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8601	8.8601	1.7000e-004	1.6000e-004	8.9127
Single Family Housing	1.8246e+006	9.8400e-003	0.0841	0.0358	5.4000e-004		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	97.3674	97.3674	1.8700e-003	1.7900e-003	97.9460
Total		**0.0256**	**0.2227**	**0.1230**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.2179**	**253.2179**	**4.8600e-003**	**4.6400e-003**	**254.7227**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	683066	68.8605	8.9900e-003	1.8600e-003	69.6391
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	356893	35.9787	4.6900e-003	9.7000e-004	36.3855
Parking Lot	70000	7.0568	9.2000e-004	1.9000e-004	7.1366
Regional Shopping Center	986187	99.4184	0.0130	2.6800e-003	100.5426
Single Family Housing	942232	94.9873	0.0124	2.5600e-003	96.0613
Total		**306.3017**	**0.0400**	**8.2600e-003**	**309.7650**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	683066	68.8605	8.9900e-003	1.8600e-003	69.6391
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	356893	35.9787	4.6900e-003	9.7000e-004	36.3855
Parking Lot	70000	7.0568	9.2000e-004	1.9000e-004	7.1366
Regional Shopping Center	986187	99.4184	0.0130	2.6800e-003	100.5426
Single Family Housing	942232	94.9873	0.0124	2.5600e-003	96.0613
Total		**306.3017**	**0.0400**	**8.2600e-003**	**309.7650**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3864	0.0380	2.0738	2.0000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	19.7989	19.7989	3.6000e-003	3.0000e-004	19.9785
Unmitigated	3.6079	0.0476	3.5897	3.2100e-003		0.2303	0.2303		0.2303	0.2303	22.3294	10.0577	32.3871	0.0434	1.3400e-003	33.8715

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0659	0.0238	1.5219	3.1000e-003		0.2188	0.2188		0.2188	0.2188	22.3294	6.6727	29.0020	0.0402	1.3400e-003	30.4044
Landscaping	0.0629	0.0238	2.0678	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3850	3.3850	3.2800e-003	0.0000	3.4671
Total	**3.6079**	**0.0476**	**3.5897**	**3.2100e-003**		**0.2303**	**0.2303**		**0.2303**	**0.2303**	**22.3294**	**10.0577**	**32.3871**	**0.0434**	**1.3400e-003**	**33.8715**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.6600e-003	0.0142	6.0300e-003	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4139	16.4139	3.1000e-004	3.0000e-004	16.5114
Landscaping	0.0629	0.0238	2.0678	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3850	3.3850	3.2800e-003	0.0000	3.4671
Total	**2.3864**	**0.0380**	**2.0738**	**2.0000e-004**		**0.0126**	**0.0126**		**0.0126**	**0.0126**	**0.0000**	**19.7989**	**19.7989**	**3.5900e-003**	**3.0000e-004**	**19.9785**

7.0 Water Detail

7.1 Mitigation Measures Water

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41.6977	0.8964	0.0220	70.6494
Unmitigated	41.6977	0.8964	0.0220	70.6494

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	10.2943 / 6.48991	11.1712	0.3365	8.1300e-003	22.0070
City Park	0 / 30.3828	10.7202	1.4000e-003	2.9000e-004	10.8414
Elementary School	1.92 / 4.93714	3.3985	0.0629	1.5500e-003	5.4343
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.40873 / 4.54084	7.9940	0.2422	5.8500e-003	15.7919
Single Family Housing	7.75333 / 4.88797	8.4138	0.2534	6.1300e-003	16.5749
Total		**41.6977**	**0.8964**	**0.0220**	**70.6494**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	10.2943 / 6.48991	11.1712	0.3365	8.1300e-003	22.0070
City Park	0 / 30.3828	10.7202	1.4000e-003	2.9000e-004	10.8414
Elementary School	1.92 / 4.93714	3.3985	0.0629	1.5500e-003	5.4343
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.40873 / 4.54084	7.9940	0.2422	5.8500e-003	15.7919
Single Family Housing	7.75333 / 4.88797	8.4138	0.2534	6.1300e-003	16.5749
Total		**41.6977**	**0.8964**	**0.0220**	**70.6494**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	94.8435	5.6051	0.0000	234.9707
Unmitigated	94.8435	5.6051	0.0000	234.9707

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	72.68	14.7534	0.8719	0.0000	36.5509
City Park	2.19	0.4446	0.0263	0.0000	1.1014
Elementary School	144.54	29.3403	1.7340	0.0000	72.6894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	105.02	21.3181	1.2599	0.0000	52.8147
Single Family Housing	142.8	28.9871	1.7131	0.0000	71.8143
Total		**94.8435**	**5.6051**	**0.0000**	**234.9707**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	72.68	14.7534	0.8719	0.0000	36.5509
City Park	2.19	0.4446	0.0263	0.0000	1.1014
Elementary School	144.54	29.3403	1.7340	0.0000	72.6894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	105.02	21.3181	1.2599	0.0000	52.8147
Single Family Housing	142.8	28.9871	1.7131	0.0000	71.8143
Total		**94.8435**	**5.6051**	**0.0000**	**234.9707**

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

11.0 Vegetation

Bridle Gate - Reduced Intensity Alternative (2026)

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	792.00	Student	10.00	66,213.87	0
Parking Lot	500.00	Space	4.50	200,000.00	0
City Park	25.50	Acre	25.50	1,110,780.00	0
Apartments Low Rise	158.00	Dwelling Unit	6.99	158,000.00	452
Single Family Housing	119.00	Dwelling Unit	39.73	214,200.00	340
Regional Shopping Center	100.02	1000sqft	5.30	100,019.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Grading - Based on site plan.

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Mobile Land Use Mitigation -

Area Mitigation -

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	365.68	340.08
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	6,550.78
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	0.00	108.00
tblLandUse	LandUseSquareFeet	100,020.00	100,019.00
tblLandUse	LotAcreage	1.52	10.00
tblLandUse	LotAcreage	9.88	6.99
tblLandUse	LotAcreage	38.64	39.73
tblLandUse	LotAcreage	2.30	5.30
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	1.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1390	42.4552	21.9966	0.0395	20.1230	2.1984	22.3214	10.1760	2.0225	12.1985	0.0000	3,832.8413	3,832.8413	1.1954	0.0000	3,862.7263
Maximum	**4.1390**	**42.4552**	**21.9966**	**0.0395**	**20.1230**	**2.1984**	**22.3214**	**10.1760**	**2.0225**	**12.1985**	**0.0000**	**3,832.8413**	**3,832.8413**	**1.1954**	**0.0000**	**3,862.7263**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1390	42.4552	21.9966	0.0395	20.1230	2.1984	22.3214	10.1760	2.0225	12.1985	0.0000	3,832.8413	3,832.8413	1.1954	0.0000	3,862.7263
Maximum	**4.1390**	**42.4552**	**21.9966**	**0.0395**	**20.1230**	**2.1984**	**22.3214**	**10.1760**	**2.0225**	**12.1985**	**0.0000**	**3,832.8413**	**3,832.8413**	**1.1954**	**0.0000**	**3,862.7263**

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Summer

	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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	202.5837	4.0753	268.3201	0.4670		34.8682	34.8682		34.8682	34.8682	3,747.6160	1,361.9886	5,109.6046	4.8485	0.2646	5,309.6701
Energy	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407
Mobile	9.5734	37.7451	88.9924	0.3600	34.1996	0.2759	34.4755	9.1470	0.2570	9.4040		36,543.2242	36,543.2242	1.1865		36,572.8871
Total	**212.2973**	**43.0409**	**357.9863**	**0.8347**	**34.1996**	**35.2410**	**69.4406**	**9.1470**	**35.2221**	**44.3691**	**3,747.6160**	**39,434.6648**	**43,182.2808**	**6.0644**	**0.2926**	**43,421.0979**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.7191	2.8088	24.0583	0.0175		0.3329	0.3329		0.3329	0.3329	0.0000	3,289.7886	3,289.7886	0.1025	0.0596	3,310.0971
Energy	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407
Mobile	9.5734	37.7451	88.9924	0.3600	34.1996	0.2759	34.4755	9.1470	0.2570	9.4040		36,543.2242	36,543.2242	1.1865		36,572.8871
Total	**23.4327**	**41.7744**	**113.7245**	**0.3852**	**34.1996**	**0.7057**	**34.9053**	**9.1470**	**0.6868**	**9.8338**	**0.0000**	**41,362.4648**	**41,362.4648**	**1.3183**	**0.0876**	**41,421.5249**

	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	N20	CO2e
Percent Reduction	**88.96**	**2.94**	**68.23**	**53.86**	**0.00**	**98.00**	**49.73**	**0.00**	**98.05**	**77.84**	**100.00**	**-4.89**	**4.21**	**78.26**	**70.07**	**4.61**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/22/2020	5	60	

Acres of Grading (Site Preparation Phase): 108

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.5

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.9752	0.0000	19.9752	10.1368	0.0000	10.1368			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**19.9752**	**2.1974**	**22.1726**	**10.1368**	**2.0216**	**12.1584**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.9752	0.0000	19.9752	10.1368	0.0000	10.1368			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**19.9752**	**2.1974**	**22.1726**	**10.1368**	**2.0216**	**12.1584**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	**0.0626**	**0.0379**	**0.4830**	**1.4800e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**147.7398**	**147.7398**	**3.5600e-003**		**147.8288**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.5734	37.7451	88.9924	0.3600	34.1996	0.2759	34.4755	9.1470	0.2570	9.4040		36,543.2242	36,543.2242	1.1865		36,572.8871
Unmitigated	9.5734	37.7451	88.9924	0.3600	34.1996	0.2759	34.4755	9.1470	0.2570	9.4040		36,543.2242	36,543.2242	1.1865		36,572.8871

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	995.40	995.40	995.40	2,298,983	2,298,983
City Park	0.00	0.00	0.00		
Elementary School	1,021.68	0.00	0.00	1,609,102	1,609,102
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,131.03	5,131.03	130.03	7,743,642	7,743,642
Single Family Housing	1,106.70	1,106.70	1106.70	2,556,042	2,556,042
Total	8,254.81	7,233.13	2,232.13	14,207,769	14,207,769

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407
NaturalGas Unmitigated	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4201.41	0.0453	0.3872	0.1648	2.4700e-003		0.0313	0.0313		0.0313	0.0313		494.2831	494.2831	9.4700e-003	9.0600e-003	497.2204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3345.16	0.0361	0.3280	0.2755	1.9700e-003		0.0249	0.0249		0.0249	0.0249		393.5484	393.5484	7.5400e-003	7.2200e-003	395.8870
Parking Lot	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
Regional Shopping Center	454.881	4.9100e-003	0.0446	0.0375	2.7000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003		53.5154	53.5154	1.0300e-003	9.8000e-004	53.8334
Single Family Housing	4998.89	0.0539	0.4607	0.1960	2.9400e-003		0.0373	0.0373		0.0373	0.0373		588.1051	588.1051	0.0113	0.0108	591.5999
Total		**0.1402**	**1.2204**	**0.6737**	**7.6500e-003**		**0.0969**	**0.0969**		**0.0969**	**0.0969**		**1,529.4519**	**1,529.4519**	**0.0293**	**0.0280**	**1,538.5407**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.20141	0.0453	0.3872	0.1648	2.4700e-003		0.0313	0.0313		0.0313	0.0313		494.2831	494.2831	9.4700e-003	9.0600e-003	497.2204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.34516	0.0361	0.3280	0.2755	1.9700e-003		0.0249	0.0249		0.0249	0.0249		393.5484	393.5484	7.5400e-003	7.2200e-003	395.8870
Parking Lot	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
Regional Shopping Center	0.454881	4.9100e-003	0.0446	0.0375	2.7000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003		53.5154	53.5154	1.0300e-003	9.8000e-004	53.8334
Single Family Housing	4.99889	0.0539	0.4607	0.1960	2.9400e-003		0.0373	0.0373		0.0373	0.0373		588.1051	588.1051	0.0113	0.0108	591.5999
Total		**0.1402**	**1.2204**	**0.6737**	**7.6500e-003**		**0.0969**	**0.0969**		**0.0969**	**0.0969**		**1,529.4519**	**1,529.4519**	**0.0293**	**0.0280**	**1,538.5407**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.7191	2.8088	24.0583	0.0175		0.3329	0.3329		0.3329	0.3329	0.0000	3,289.7886	3,289.7886	0.1025	0.0596	3,310.0971
Unmitigated	202.5837	4.0753	268.3201	0.4670		34.8682	34.8682		34.8682	34.8682	3,747.6160	1,361.9886	5,109.6046	4.8485	0.2646	5,309.6701

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.9335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.6505					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	188.3009	3.8110	245.3446	0.4658		34.7410	34.7410		34.7410	34.7410	3,747.6160	1,320.5294	5,068.1454	4.8083	0.2646	5,267.2056
Landscaping	0.6988	0.2643	22.9756	1.2200e-003		0.1272	0.1272		0.1272	0.1272		41.4592	41.4592	0.0402		42.4645
Total	**202.5837**	**4.0753**	**268.3201**	**0.4670**		**34.8682**	**34.8682**		**34.8682**	**34.8682**	**3,747.6160**	**1,361.9886**	**5,109.6046**	**4.8485**	**0.2646**	**5,309.6701**

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	lb/day										lb/day					
Architectural Coating	1.9335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.7890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2978	2.5445	1.0828	0.0162		0.2057	0.2057		0.2057	0.2057	0.0000	3,248.3294	3,248.3294	0.0623	0.0596	3,267.6326
Landscaping	0.6988	0.2643	22.9756	1.2200e-003		0.1272	0.1272		0.1272	0.1272		41.4592	41.4592	0.0402		42.4645
Total	**13.7191**	**2.8088**	**24.0583**	**0.0175**		**0.3329**	**0.3329**		**0.3329**	**0.3329**	**0.0000**	**3,289.7886**	**3,289.7886**	**0.1025**	**0.0596**	**3,310.0971**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate - Reduced Intensity Alternative (2026)

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	792.00	Student	10.00	66,213.87	0
Parking Lot	500.00	Space	4.50	200,000.00	0
City Park	25.50	Acre	25.50	1,110,780.00	0
Apartments Low Rise	158.00	Dwelling Unit	6.99	158,000.00	452
Single Family Housing	119.00	Dwelling Unit	39.73	214,200.00	340
Regional Shopping Center	100.02	1000sqft	5.30	100,019.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	222.25	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Winter

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Grading - Based on site plan.

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Mobile Land Use Mitigation -

Area Mitigation -

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	365.68	340.08
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	6,550.78
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	0.00	108.00
tblLandUse	LandUseSquareFeet	100,020.00	100,019.00
tblLandUse	LotAcreage	1.52	10.00
tblLandUse	LotAcreage	9.88	6.99
tblLandUse	LotAcreage	38.64	39.73
tblLandUse	LotAcreage	2.30	5.30
tblProjectCharacteristics	CO2IntensityFactor	641.35	222.25
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	1.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1427	42.4641	21.9672	0.0394	20.1230	2.1984	22.3214	10.1760	2.0225	12.1985	0.0000	3,821.1933	3,821.1933	1.1952	0.0000	3,851.0725
Maximum	**4.1427**	**42.4641**	**21.9672**	**0.0394**	**20.1230**	**2.1984**	**22.3214**	**10.1760**	**2.0225**	**12.1985**	**0.0000**	**3,821.1933**	**3,821.1933**	**1.1952**	**0.0000**	**3,851.0725**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	4.1427	42.4641	21.9672	0.0394	20.1230	2.1984	22.3214	10.1760	2.0225	12.1985	0.0000	3,821.1933	3,821.1933	1.1952	0.0000	3,851.0725
Maximum	**4.1427**	**42.4641**	**21.9672**	**0.0394**	**20.1230**	**2.1984**	**22.3214**	**10.1760**	**2.0225**	**12.1985**	**0.0000**	**3,821.1933**	**3,821.1933**	**1.1952**	**0.0000**	**3,851.0725**

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Winter

	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	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	202.5837	4.0753	268.3201	0.4670		34.8682	34.8682		34.8682	34.8682	3,747.6160	1,361.9886	5,109.6046	4.8485	0.2646	5,309.6701
Energy	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407
Mobile	8.1237	39.1634	90.4771	0.3375	34.1996	0.2772	34.4768	9.1470	0.2583	9.4053		34,256.7990	34,256.7990	1.2212		34,287.3289
Total	**210.8476**	**44.4591**	**359.4710**	**0.8121**	**34.1996**	**35.2422**	**69.4418**	**9.1470**	**35.2233**	**44.3703**	**3,747.6160**	**37,148.2396**	**40,895.8556**	**6.0991**	**0.2926**	**41,135.5397**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.7191	2.8088	24.0583	0.0175		0.3329	0.3329		0.3329	0.3329	0.0000	3,289.7886	3,289.7886	0.1025	0.0596	3,310.0971
Energy	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407
Mobile	8.1237	39.1634	90.4771	0.3375	34.1996	0.2772	34.4768	9.1470	0.2583	9.4053		34,256.7990	34,256.7990	1.2212		34,287.3289
Total	**21.9830**	**43.1926**	**115.2092**	**0.3626**	**34.1996**	**0.7070**	**34.9066**	**9.1470**	**0.6881**	**9.8351**	**0.0000**	**39,076.0396**	**39,076.0396**	**1.3530**	**0.0876**	**39,135.9667**

	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	N20	CO2e
Percent Reduction	**89.57**	**2.85**	**67.95**	**55.35**	**0.00**	**97.99**	**49.73**	**0.00**	**98.05**	**77.83**	**100.00**	**-5.19**	**4.45**	**77.82**	**70.07**	**4.86**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/22/2020	5	60	

Acres of Grading (Site Preparation Phase): 108

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.5

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.9752	0.0000	19.9752	10.1368	0.0000	10.1368			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**19.9752**	**2.1974**	**22.1726**	**10.1368**	**2.0216**	**12.1584**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.9752	0.0000	19.9752	10.1368	0.0000	10.1368			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**19.9752**	**2.1974**	**22.1726**	**10.1368**	**2.0216**	**12.1584**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	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
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	**0.0662**	**0.0468**	**0.4536**	**1.3700e-003**	**0.1479**	**9.6000e-004**	**0.1488**	**0.0392**	**8.8000e-004**	**0.0401**		**136.0918**	**136.0918**	**3.3300e-003**		**136.1750**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.1237	39.1634	90.4771	0.3375	34.1996	0.2772	34.4768	9.1470	0.2583	9.4053		34,256.7990	34,256.7990	1.2212		34,287.3289
Unmitigated	8.1237	39.1634	90.4771	0.3375	34.1996	0.2772	34.4768	9.1470	0.2583	9.4053		34,256.7990	34,256.7990	1.2212		34,287.3289

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	995.40	995.40	995.40	2,298,983	2,298,983
City Park	0.00	0.00	0.00		
Elementary School	1,021.68	0.00	0.00	1,609,102	1,609,102
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,131.03	5,131.03	130.03	7,743,642	7,743,642
Single Family Housing	1,106.70	1,106.70	1106.70	2,556,042	2,556,042
Total	8,254.81	7,233.13	2,232.13	14,207,769	14,207,769

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
City Park	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Elementary School	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Parking Lot	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Regional Shopping Center	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708
Single Family Housing	0.582811	0.037485	0.193775	0.108307	0.014136	0.005301	0.018855	0.027301	0.002669	0.002011	0.005732	0.000906	0.000708

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate - Reduced Intensity Alternative (2026) - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407
NaturalGas Unmitigated	0.1402	1.2204	0.6737	7.6500e-003		0.0969	0.0969		0.0969	0.0969		1,529.4519	1,529.4519	0.0293	0.0280	1,538.5407

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4201.41	0.0453	0.3872	0.1648	2.4700e-003		0.0313	0.0313		0.0313	0.0313		494.2831	494.2831	9.4700e-003	9.0600e-003	497.2204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3345.16	0.0361	0.3280	0.2755	1.9700e-003		0.0249	0.0249		0.0249	0.0249		393.5484	393.5484	7.5400e-003	7.2200e-003	395.8870
Parking Lot	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
Regional Shopping Center	454.881	4.9100e-003	0.0446	0.0375	2.7000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003		53.5154	53.5154	1.0300e-003	9.8000e-004	53.8334
Single Family Housing	4998.89	0.0539	0.4607	0.1960	2.9400e-003		0.0373	0.0373		0.0373	0.0373		588.1051	588.1051	0.0113	0.0108	591.5999
Total		**0.1402**	**1.2204**	**0.6737**	**7.6500e-003**		**0.0969**	**0.0969**		**0.0969**	**0.0969**		**1,529.4519**	**1,529.4519**	**0.0293**	**0.0280**	**1,538.5407**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	4.20141	0.0453	0.3872	0.1648	2.4700e-003		0.0313	0.0313		0.0313	0.0313		494.2831	494.2831	9.4700e-003	9.0600e-003	497.2204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.34516	0.0361	0.3280	0.2755	1.9700e-003		0.0249	0.0249		0.0249	0.0249		393.5484	393.5484	7.5400e-003	7.2200e-003	395.8870
Parking Lot	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
Regional Shopping Center	0.454881	4.9100e-003	0.0446	0.0375	2.7000e-004		3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003		53.5154	53.5154	1.0300e-003	9.8000e-004	53.8334
Single Family Housing	4.99889	0.0539	0.4607	0.1960	2.9400e-003		0.0373	0.0373		0.0373	0.0373		588.1051	588.1051	0.0113	0.0108	591.5999
Total		**0.1402**	**1.2204**	**0.6737**	**7.6500e-003**		**0.0969**	**0.0969**		**0.0969**	**0.0969**		**1,529.4519**	**1,529.4519**	**0.0293**	**0.0280**	**1,538.5407**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.7191	2.8088	24.0583	0.0175		0.3329	0.3329		0.3329	0.3329	0.0000	3,289.7886	3,289.7886	0.1025	0.0596	3,310.0971
Unmitigated	202.5837	4.0753	268.3201	0.4670		34.8682	34.8682		34.8682	34.8682	3,747.6160	1,361.9886	5,109.6046	4.8485	0.2646	5,309.6701

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.9335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	11.6505					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	188.3009	3.8110	245.3446	0.4658		34.7410	34.7410		34.7410	34.7410	3,747.6160	1,320.5294	5,068.1454	4.8083	0.2646	5,267.2056
Landscaping	0.6988	0.2643	22.9756	1.2200e-003		0.1272	0.1272		0.1272	0.1272		41.4592	41.4592	0.0402		42.4645
Total	**202.5837**	**4.0753**	**268.3201**	**0.4670**		**34.8682**	**34.8682**		**34.8682**	**34.8682**	**3,747.6160**	**1,361.9886**	**5,109.6046**	**4.8485**	**0.2646**	**5,309.6701**

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	lb/day										lb/day					
Architectural Coating	1.9335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.7890					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.2978	2.5445	1.0828	0.0162		0.2057	0.2057		0.2057	0.2057	0.0000	3,248.3294	3,248.3294	0.0623	0.0596	3,267.6326
Landscaping	0.6988	0.2643	22.9756	1.2200e-003		0.1272	0.1272		0.1272	0.1272		41.4592	41.4592	0.0402		42.4645
Total	**13.7191**	**2.8088**	**24.0583**	**0.0175**		**0.3329**	**0.3329**		**0.3329**	**0.3329**	**0.0000**	**3,289.7886**	**3,289.7886**	**0.1025**	**0.0596**	**3,310.0971**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

11.0 Vegetation

Bridle Gate - Reduced Intensity Alternative (2026)

Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Rubber Tired Dozers	Diesel	No Change	0	3	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	4	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Unmitigated tons/yr						Unmitigated mt/yr					
Rubber Tired Dozers	9.71500E-002	1.01990E+000	3.71840E-001	7.70000E-004	4.99500E-002	4.59500E-002	0.00000E+000	6.75497E+001	6.75497E+001	2.18500E-002	0.00000E+000	6.80959E+001
Tractors/Loaders/Backhoes	2.51400E-002	2.52620E-001	2.73560E-001	3.70000E-004	1.59700E-002	1.47000E-002	0.00000E+000	3.27423E+001	3.27423E+001	1.05900E-002	0.00000E+000	3.30071E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Rubber Tired Dozers	9.71500E-002	1.01990E+000	3.71840E-001	7.70000E-004	4.99500E-002	4.59500E-002	0.00000E+000	6.75496E+001	6.75496E+001	2.18500E-002	0.00000E+000	6.80958E+001
Tractors/Loaders/Backhoes	2.51400E-002	2.52620E-001	2.73560E-001	3.70000E-004	1.59700E-002	1.47000E-002	0.00000E+000	3.27423E+001	3.27423E+001	1.05900E-002	0.00000E+000	3.30070E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18431E-006	1.18431E-006	0.00000E+000	0.00000E+000	1.17481E-006
Tractors/Loaders/Backhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22166E-006	1.22166E-006	0.00000E+000	0.00000E+000	1.21186E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input		Mitigation Input		Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction		PM2.5 Reduction			
No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Site Preparation	Fugitive Dust	0.60	0.30	0.60	0.30	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	99.84	40.36	99.60	97.10	99.47	99.47	100.00	-145.99	43.40	99.23	77.61	45.69
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.27	0.61		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	25.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00			
		Total VMT Reduction	0.00			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
Yes	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Bridle Gate Reduced Intensity Alternative Year 2030 - Unmitigated

Bridle Gate - Reduced Intensity Alternative (2030)

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	792.00	Student	10.00	66,213.87	0
Parking Lot	500.00	Space	4.50	200,000.00	0
City Park	25.50	Acre	25.50	1,110,780.00	0
Apartments Low Rise	158.00	Dwelling Unit	6.99	158,000.00	452
Single Family Housing	119.00	Dwelling Unit	39.73	214,200.00	340
Regional Shopping Center	100.02	1000sqft	5.30	100,019.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	175	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity factor adjusted per PG&E progress towards RPS

Land Use - Based on description of Alternatives

Construction Phase - Construction not modeled

Off-road Equipment - Construction not modeled

Trips and VMT - Constrction Not Modeled

Grading - Based on site plan.

Vehicle Trips - Based on information from Traffic Impact Study

Energy Use - Per 2019 CBSC

Mobile Land Use Mitigation -

Area Mitigation -

Bridle Gate - Reduced Intensity Alternative (2030) - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	365.68	340.08
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	325.76	153.11
tblEnergyUse	T24NG	7,043.85	6,550.78
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	25,910.09	12,177.74
tblGrading	AcresOfGrading	0.00	108.00
tblLandUse	LandUseSquareFeet	100,020.00	100,019.00
tblLandUse	LotAcreage	1.52	10.00
tblLandUse	LotAcreage	9.88	6.99
tblLandUse	LotAcreage	38.64	39.73
tblLandUse	LotAcreage	2.30	5.30
tblProjectCharacteristics	CO2IntensityFactor	641.35	175
tblVehicleTrips	ST_TR	7.16	6.30
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	49.97	51.30
tblVehicleTrips	ST_TR	9.91	9.30
tblVehicleTrips	SU_TR	6.07	6.30
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	25.24	1.30
tblVehicleTrips	SU_TR	8.62	9.30
tblVehicleTrips	WD_TR	6.59	6.30
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	42.70	51.30
tblVehicleTrips	WD_TR	9.52	9.30

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1241	1.2738	0.6587	1.1800e-003	0.6035	0.0660	0.6695	0.3052	0.0607	0.3659	0.0000	104.0304	104.0304	0.0325	0.0000	104.8435
Maximum	**0.1241**	**1.2738**	**0.6587**	**1.1800e-003**	**0.6035**	**0.0660**	**0.6695**	**0.3052**	**0.0607**	**0.3659**	**0.0000**	**104.0304**	**104.0304**	**0.0325**	**0.0000**	**104.8435**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1241	1.2738	0.6587	1.1800e-003	0.6035	0.0660	0.6695	0.3052	0.0607	0.3659	0.0000	104.0302	104.0302	0.0325	0.0000	104.8434
Maximum	**0.1241**	**1.2738**	**0.6587**	**1.1800e-003**	**0.6035**	**0.0660**	**0.6695**	**0.3052**	**0.0607**	**0.3659**	**0.0000**	**104.0302**	**104.0302**	**0.0325**	**0.0000**	**104.8434**

	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	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2020**	**9-30-2020**	1.3978	1.3978
		Highest	1.3978	1.3978

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.6076	0.0475	3.5862	3.2100e-003		0.2303	0.2303		0.2303	0.2303	22.3294	10.0577	32.3871	0.0434	1.3400e-003	33.8711
Energy	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	494.4003	494.4003	0.0448	0.0129	499.3685
Mobile	1.0921	5.6455	11.4228	0.0501	5.2838	0.0337	5.3175	1.4174	0.0313	1.4487	0.0000	4,629.4800	4,629.4800	0.1513	0.0000	4,633.2633
Waste						0.0000	0.0000		0.0000	0.0000	94.8435	0.0000	94.8435	5.6051	0.0000	234.9707
Water						0.0000	0.0000		0.0000	0.0000	8.6853	25.9940	34.6793	0.8964	0.0220	63.6310
Total	**4.7253**	**5.9157**	**15.1320**	**0.0547**	**5.2838**	**0.2816**	**5.5655**	**1.4174**	**0.2793**	**1.6967**	**125.8581**	**5,159.9320**	**5,285.7902**	**6.7410**	**0.0362**	**5,465.1044**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3861	0.0379	2.0703	2.0000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	19.7989	19.7989	3.5800e-003	3.0000e-004	19.9781
Energy	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	494.4003	494.4003	0.0448	0.0129	499.3685
Mobile	1.0921	5.6455	11.4228	0.0501	5.2838	0.0337	5.3175	1.4174	0.0313	1.4487	0.0000	4,629.4800	4,629.4800	0.1513	0.0000	4,633.2633
Waste						0.0000	0.0000		0.0000	0.0000	94.8435	0.0000	94.8435	5.6051	0.0000	234.9707
Water						0.0000	0.0000		0.0000	0.0000	8.6853	25.9940	34.6793	0.8964	0.0220	63.6310
Total	**3.5038**	**5.9061**	**13.6161**	**0.0517**	**5.2838**	**0.0639**	**5.3478**	**1.4174**	**0.0616**	**1.4790**	**103.5287**	**5,169.6732**	**5,273.2020**	**6.7012**	**0.0352**	**5,451.2115**

	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	N20	CO2e
Percent Reduction	**25.85**	**0.16**	**10.02**	**5.50**	**0.00**	**77.30**	**3.91**	**0.00**	**77.94**	**12.83**	**17.74**	**-0.19**	**0.24**	**0.59**	**2.87**	**0.25**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/1/2020	9/22/2020	5	60	

Acres of Grading (Site Preparation Phase): 108

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.5

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5993	0.0000	0.5993	0.3041	0.0000	0.3041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1223	1.2725	0.6454	1.1400e-003		0.0659	0.0659		0.0607	0.0607	0.0000	100.2920	100.2920	0.0324	0.0000	101.1030
Total	**0.1223**	**1.2725**	**0.6454**	**1.1400e-003**	**0.5993**	**0.0659**	**0.6652**	**0.3041**	**0.0607**	**0.3648**	**0.0000**	**100.2920**	**100.2920**	**0.0324**	**0.0000**	**101.1030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.2800e-003	0.0133	4.0000e-005	4.2700e-003	3.0000e-005	4.3000e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.7383	3.7383	9.0000e-005	0.0000	3.7406
Total	**1.7900e-003**	**1.2800e-003**	**0.0133**	**4.0000e-005**	**4.2700e-003**	**3.0000e-005**	**4.3000e-003**	**1.1400e-003**	**3.0000e-005**	**1.1600e-003**	**0.0000**	**3.7383**	**3.7383**	**9.0000e-005**	**0.0000**	**3.7406**

3.2 Site Preparation - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5993	0.0000	0.5993	0.3041	0.0000	0.3041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1223	1.2725	0.6454	1.1400e-003		0.0659	0.0659		0.0607	0.0607	0.0000	100.2919	100.2919	0.0324	0.0000	101.1028
Total	**0.1223**	**1.2725**	**0.6454**	**1.1400e-003**	**0.5993**	**0.0659**	**0.6652**	**0.3041**	**0.0607**	**0.3648**	**0.0000**	**100.2919**	**100.2919**	**0.0324**	**0.0000**	**101.1028**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7900e-003	1.2800e-003	0.0133	4.0000e-005	4.2700e-003	3.0000e-005	4.3000e-003	1.1400e-003	3.0000e-005	1.1600e-003	0.0000	3.7383	3.7383	9.0000e-005	0.0000	3.7406
Total	**1.7900e-003**	**1.2800e-003**	**0.0133**	**4.0000e-005**	**4.2700e-003**	**3.0000e-005**	**4.3000e-003**	**1.1400e-003**	**3.0000e-005**	**1.1600e-003**	**0.0000**	**3.7383**	**3.7383**	**9.0000e-005**	**0.0000**	**3.7406**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0921	5.6455	11.4228	0.0501	5.2838	0.0337	5.3175	1.4174	0.0313	1.4487	0.0000	4,629.4800	4,629.4800	0.1513	0.0000	4,633.2633
Unmitigated	1.0921	5.6455	11.4228	0.0501	5.2838	0.0337	5.3175	1.4174	0.0313	1.4487	0.0000	4,629.4800	4,629.4800	0.1513	0.0000	4,633.2633

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	995.40	995.40	995.40	2,298,983	2,298,983
City Park	0.00	0.00	0.00		
Elementary School	1,021.68	0.00	0.00	1,609,102	1,609,102
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	5,131.03	5,131.03	130.03	7,743,642	7,743,642
Single Family Housing	1,106.70	1,106.70	1106.70	2,556,042	2,556,042
Total	8,254.81	7,233.13	2,232.13	14,207,769	14,207,769

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
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
Apartments Low Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
City Park	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Elementary School	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Parking Lot	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Regional Shopping Center	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676
Single Family Housing	0.585795	0.036515	0.193581	0.106455	0.012789	0.005274	0.019465	0.028415	0.002699	0.001789	0.005626	0.000921	0.000676

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Bridle Gate - Reduced Intensity Alternative (2030) - Bay Area AQMD Air District, 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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	241.1824	241.1824	0.0400	8.2700e-003	244.6458
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	241.1824	241.1824	0.0400	8.2700e-003	244.6458
NaturalGas Mitigated	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.2179	253.2179	4.8500e-003	4.6400e-003	254.7227
NaturalGas Unmitigated	0.0256	0.2227	0.1230	1.4000e-003		0.0177	0.0177		0.0177	0.0177	0.0000	253.2179	253.2179	4.8500e-003	4.6400e-003	254.7227

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.53351e+006	8.2700e-003	0.0707	0.0301	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	0.0000	81.8341	81.8341	1.5700e-003	1.5000e-003	82.3204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22098e+006	6.5800e-003	0.0599	0.0503	3.6000e-004		4.5500e-003	4.5500e-003		4.5500e-003	4.5500e-003	0.0000	65.1563	65.1563	1.2500e-003	1.1900e-003	65.5435
Parking Lot	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
Regional Shopping Center	166032	9.0000e-004	8.1400e-003	6.8400e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8601	8.8601	1.7000e-004	1.6000e-004	8.9127
Single Family Housing	1.8246e+006	9.8400e-003	0.0841	0.0358	5.4000e-004		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	97.3674	97.3674	1.8700e-003	1.7900e-003	97.9460
Total		**0.0256**	**0.2227**	**0.1230**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.2179**	**253.2179**	**4.8600e-003**	**4.6400e-003**	**254.7227**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.53351e+006	8.2700e-003	0.0707	0.0301	4.5000e-004		5.7100e-003	5.7100e-003		5.7100e-003	5.7100e-003	0.0000	81.8341	81.8341	1.5700e-003	1.5000e-003	82.3204
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.22098e+006	6.5800e-003	0.0599	0.0503	3.6000e-004		4.5500e-003	4.5500e-003		4.5500e-003	4.5500e-003	0.0000	65.1563	65.1563	1.2500e-003	1.1900e-003	65.5435
Parking Lot	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
Regional Shopping Center	166032	9.0000e-004	8.1400e-003	6.8400e-003	5.0000e-005		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	8.8601	8.8601	1.7000e-004	1.6000e-004	8.9127
Single Family Housing	1.8246e+006	9.8400e-003	0.0841	0.0358	5.4000e-004		6.8000e-003	6.8000e-003		6.8000e-003	6.8000e-003	0.0000	97.3674	97.3674	1.8700e-003	1.7900e-003	97.9460
Total		**0.0256**	**0.2227**	**0.1230**	**1.4000e-003**		**0.0177**	**0.0177**		**0.0177**	**0.0177**	**0.0000**	**253.2179**	**253.2179**	**4.8600e-003**	**4.6400e-003**	**254.7227**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	683066	54.2208	8.9900e-003	1.8600e-003	54.9995
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	356893	28.3297	4.6900e-003	9.7000e-004	28.7365
Parking Lot	70000	5.5565	9.2000e-004	1.9000e-004	5.6363
Regional Shopping Center	986187	78.2822	0.0130	2.6800e-003	79.4064
Single Family Housing	942232	74.7932	0.0124	2.5600e-003	75.8672
Total		**241.1824**	**0.0400**	**8.2600e-003**	**244.6458**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	683066	54.2208	8.9900e-003	1.8600e-003	54.9995
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	356893	28.3297	4.6900e-003	9.7000e-004	28.7365
Parking Lot	70000	5.5565	9.2000e-004	1.9000e-004	5.6363
Regional Shopping Center	986187	78.2822	0.0130	2.6800e-003	79.4064
Single Family Housing	942232	74.7932	0.0124	2.5600e-003	75.8672
Total		**241.1824**	**0.0400**	**8.2600e-003**	**244.6458**

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3861	0.0379	2.0703	2.0000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	19.7989	19.7989	3.5800e-003	3.0000e-004	19.9781
Unmitigated	3.6076	0.0475	3.5862	3.2100e-003		0.2303	0.2303		0.2303	0.2303	22.3294	10.0577	32.3871	0.0434	1.3400e-003	33.8711

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.1262					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0659	0.0238	1.5219	3.1000e-003		0.2188	0.2188		0.2188	0.2188	22.3294	6.6727	29.0020	0.0402	1.3400e-003	30.4044
Landscaping	0.0625	0.0238	2.0643	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3850	3.3850	3.2700e-003	0.0000	3.4667
Total	**3.6076**	**0.0475**	**3.5862**	**3.2100e-003**		**0.2303**	**0.2303**		**0.2303**	**0.2303**	**22.3294**	**10.0577**	**32.3871**	**0.0434**	**1.3400e-003**	**33.8711**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3529					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9690					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.6600e-003	0.0142	6.0300e-003	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4139	16.4139	3.1000e-004	3.0000e-004	16.5114
Landscaping	0.0625	0.0238	2.0643	1.1000e-004		0.0115	0.0115		0.0115	0.0115	0.0000	3.3850	3.3850	3.2700e-003	0.0000	3.4667
Total	**2.3861**	**0.0379**	**2.0703**	**2.0000e-004**		**0.0126**	**0.0126**		**0.0126**	**0.0126**	**0.0000**	**19.7989**	**19.7989**	**3.5800e-003**	**3.0000e-004**	**19.9781**

7.0 Water Detail

7.1 Mitigation Measures Water

Bridle Gate - Reduced Intensity Alternative (2030) - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	34.6793	0.8964	0.0220	63.6310
Unmitigated	34.6793	0.8964	0.0220	63.6310

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	10.2943 / 6.48991	9.4906	0.3365	8.1300e-003	20.3263
City Park	0 / 30.3828	8.4411	1.4000e-003	2.9000e-004	8.5623
Elementary School	1.92 / 4.93714	2.8055	0.0629	1.5500e-003	4.8413
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.40873 / 4.54084	6.7942	0.2422	5.8500e-003	14.5920
Single Family Housing	7.75333 / 4.88797	7.1480	0.2534	6.1300e-003	15.3091
Total		**34.6793**	**0.8964**	**0.0220**	**63.6310**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	10.2943 / 6.48991	9.4906	0.3365	8.1300e-003	20.3263
City Park	0 / 30.3828	8.4411	1.4000e-003	2.9000e-004	8.5623
Elementary School	1.92 / 4.93714	2.8055	0.0629	1.5500e-003	4.8413
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.40873 / 4.54084	6.7942	0.2422	5.8500e-003	14.5920
Single Family Housing	7.75333 / 4.88797	7.1480	0.2534	6.1300e-003	15.3091
Total		**34.6793**	**0.8964**	**0.0220**	**63.6310**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	94.8435	5.6051	0.0000	234.9707
Unmitigated	94.8435	5.6051	0.0000	234.9707

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	72.68	14.7534	0.8719	0.0000	36.5509
City Park	2.19	0.4446	0.0263	0.0000	1.1014
Elementary School	144.54	29.3403	1.7340	0.0000	72.6894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	105.02	21.3181	1.2599	0.0000	52.8147
Single Family Housing	142.8	28.9871	1.7131	0.0000	71.8143
Total		**94.8435**	**5.6051**	**0.0000**	**234.9707**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	72.68	14.7534	0.8719	0.0000	36.5509
City Park	2.19	0.4446	0.0263	0.0000	1.1014
Elementary School	144.54	29.3403	1.7340	0.0000	72.6894
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	105.02	21.3181	1.2599	0.0000	52.8147
Single Family Housing	142.8	28.9871	1.7131	0.0000	71.8143
Total		**94.8435**	**5.6051**	**0.0000**	**234.9707**

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

11.0 Vegetation

Appendix F

BRIDLE GATE

Traffic Impact Study

BRENTWOOD, CALIFORNIA

APRIL 2020 | DRAFT 4

Prepared By:

Kimley»Horn

EXECUTIVE SUMMARY

This report documents the results of a traffic impact analysis completed for Bridle Gate, an approximately 134-acre development located west of State Route 4 at Sand Creek Road in Brentwood, California (the "project"). This study analyzes two proposed uses of the site that consist of single family homes, multi-family development, and commercial development.

The first development scenario includes:

- Single-Family Development: 328 homes
- Multi-Family Development: 258 units
- Commercial Development: 199,940 square feet

The second development scenario includes:

- Single-Family Development: 265 homes and a Brentwood Union School District K-5 Elementary School
- Multi-Family Development: 258 units
- Commercial Development: 199,940 square feet

It is assumed that the elementary school will be a public school and accommodate between 700 and 750 students, with an option to grow to 900 students over time. To be conservative, the trip generation for development scenario 2 assumes 900 students.

The purpose of this impact analysis is to identify potential environmental impacts to transportation facilities as required by the California Environmental Quality Act (CEQA). This traffic study was prepared based on criteria set forth by the City of Brentwood and Contra Costa Transportation Authority (CCTA).

Primary access to the site will be provided via extension of Sand Creek Road west of SR-4, extension of San Jose Avenue west of Saint Regis Avenue, and extension of Saint Regis Avenue north of San Jose Avenue. The following intersections and routes of regional significance are included in this evaluation:

Intersections

1. Lone Tree Way / Heidorn Ranch Road/Fairside Way
2. Lone Tree Way / SR-4 SB Ramps
3. Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp
4. Jeffrey Way / SR-4 NB Ramps
5. Sand Creek Road / Heidorn Ranch Road (Future)
6. Sand Creek Road / San Jose Avenue (Future)
7. Sand Creek Road / SR-4 SB Ramps
8. Sand Creek Road / SR-4 NB Ramps
9. Sand Creek Road / Sand Creek Crossing/Streets of Brentwood
10. Sand Creek Road / Shady Willow Lane/Highland Way
11. Sand Creek Road / Fairview Avenue
12. San Jose Avenue / St. Regis Avenue
13. San Jose Avenue / Portofino Drive
14. San Jose Avenue/ Fairview Avenue
15. Balfour Road / SR-4

16. Balfour Road / SR-4 SB Ramps (Future)
17. Balfour Road / SR-4 NB Ramps (Future)
18. Balfour Road / American Avenue / West Country Club Drive
19. Balfour Road / Foothill Drive / East Country Club Drive
20. West Country Club Drive / Presidio Drive
21. East Country Club Drive / Roundhill Drive

Routes of Regional Significance

1. Lone Tree Way
2. Sand Creek Road
3. Fairview Avenue
4. Balfour Road
5. SR-4

Based on the City's requirements, this traffic impact analysis was conducted for the study facilities for the following scenarios:

A. Existing (2017) Conditions
B. Existing (2017) plus Proposed Project Conditions
C. Existing plus Approved Projects Conditions
D. Existing plus Approved Projects plus Proposed Project Conditions
E. Cumulative (2040) Conditions
F. Cumulative (2040) plus Proposed Project Conditions

Significant findings of this study include:

- The proposed project is estimated to generate:
    - Development Scenario 1 - 14,829 new daily trips, with 589 trips (225 in, 364 out) in the morning peak hour, and 1,220 trips (657 in, 563 out) in the afternoon peak hour
    - Development Scenario 2 - 15,439 new daily trips, with 950 trips (437 in, 513 out) in the morning peak hour, and 1,302 trips (689 in, 613 out) in the afternoon peak hour

- The new grade-separated SR-4 interchange with Balfour Road is anticipated to be completed by Existing plus Approved Project Conditions. This improvement is being funded by the East Contra County Regional Fee and Financing Authority (ECCRFFA), which collects fees from developments in the area. The project would pay its required fees to the ECCRFFA which would be considered mitigation or avoidance of potential impacts.

- As defined by the City, the addition of the proposed project to the Existing (2017), Existing plus Approved Projects, and Cumulative (2040) conditions significantly worsens conditions at the following intersections and routes of regional significance:

Existing Plus Project (Development Scenario 1 & 2)

- #14 – Fairview Avenue at San Jose Avenue
    - AM (Increased delay, LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #15 – SR-4 at Balfour Road
    - PM (Increased delay, LOS F) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road

- AM (Increased delay, LOS F)

Existing Plus Approved Projects Plus Project (Development Scenario 1 & 2)

- # 2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) Peak – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Increased delay, LOS D-) and PM (Worsened from LOD D to LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Increased delay, LOS F)

Cumulative Plus Project (Development Scenario 1 & 2)

- # 2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS F) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #7 – SR-4 SB Ramps at Sand Creek Rd
  - PM (Worsened from LOS D to LOS E) Peak – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Worsened from LOS D to LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Increased delay, LOS F)

The following is a summary of the mitigation measures that would be the project's responsibility:

Intersection #2 – SR-4 SB Ramps at Lone Tree Way: Mitigation #4 & #8
The installation of a second eastbound right-turn lane and the restriping of the southbound approach to provide a right-turn lane, shared right and left-turn lane, and left-turn lane will improve the intersection operations to acceptable standards. It should be noted that this intersection is located in the City of Antioch and within Caltrans right-of-way. Therefore, since the governing agency for this traffic study is the City of Brentwood and they could not implement the proposed mitigation in another agency's right-of-way, this impact would remain significant and unavoidable.

Intersection #7 – SR-4 SB Ramps at Sand Creek Road: Mitigation #9
The restriping of the southbound approach to provide a right shared left-turn lane and two left-turn lanes will improve the intersection operations to acceptable standards. It should be noted that this intersection is located within Caltrans right-of-way. Therefore, since the governing agency for this traffic study is the City of Brentwood and they could not implement the proposed mitigation in another agency's right-of-way, this impact would remain significant and unavoidable. It should also be noted that there is a future project to construct the diagonal on-ramp from eastbound Sand Creek Road to southbound SR-4. However, this project has no identified funding source or timeline and therefore was not included as an improvement or potential mitigation.

Intersection #11 – Fairview Avenue at Sand Creek Road: Mitigation #5 & #11
The restriping of the southbound approach to provide a left-turn lane, a through lane, and a shared through and right-turn lane and the change in signal timing to increase the cycle length to give more time to the eastbound and westbound through movements will improve the intersection operations to acceptable standards.

Intersection #14 – Fairview Avenue at San Jose Avenue: Mitigation #1, #6 & #11
The change in signal timing to increase the cycle length to give more time to the northbound and southbound through movements will improve the intersection operations to acceptable standards.

Intersection #15 – SR-4 and Balfour Road: Mitigation #2
The construction of the new SR-4 / Balfour Road interchange will eliminate this intersection and replace it with two new intersections that provide access to SR-4. This improvement is a planned project that is assumed to be in place under Existing plus Approved Projects and Cumulative Conditions. The interchange and associated SR-4 widening is being funded by ECCRFFA. The project applicant would be required to pay their ECCRFFA fees for development which would be considered mitigation for the impact at this location. The interchange improvement improves the intersection operations to acceptable standards.

Intersection #18 – W Country Club Drive/ American Avenue at Balfour Road: Mitigation #3, #7 & #12
The addition of a third westbound left turn lane on Balfour road is recommended. Queue storage would be lengthened. Signage will be placed along Balfour Road and on the Signal Gantry to improve lane utilization and access to the school sire. These recommendations will improve the intersection operations to acceptable standards.

Prior to issuance of the first building permit, the applicant shall design and construct the improvements needed to accommodate a third westbound left turn lane. With the installation of the third left turn lane, the project would mitigate its impact.

The impact on transit, pedestrian or bicycle facilities is determined to be less than significant.

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Appendix M Mitigated Scenarios LOS Worksheets

1 INTRODUCTION

Kimley-Horn and Associates, Inc. was retained by Raney Planning and Management, Inc., to prepare a traffic study for a proposed residential and commercial development in Brentwood, California (i.e. the "Project"). Brentwood is in Contra Costa County, southeast of the City of Antioch and south of the City of Oakley.

The proposed project consists of approximately 134 acres, located west of State Route 4 at Sand Creek Road. This study analyzes two proposed uses of the site that consist of a mixture of single family homes, multi-family complexes, and retail uses.

The first development scenario includes:

- Single-Family Development: 328 homes
- Multi-Family Development: 258 units
- Commercial Development: 199,940 square feet

The second development scenario includes:

- Single-Family Development: 265 homes and a Brentwood Union School District K-5 Elementary School
- Multi-Family Development: 258 units
- Commercial Development: 199,940 square feet

It is assumed that the elementary school will be a public school and accommodate between 700 and 750 students, with an option to grow to 900 students over time. To be conservative, the trip generation for development scenario 2 assumes 900 students.

This study addresses the traffic and transportation effects of the proposed project in order to assist the project sponsor and affected jurisdictions in project planning and determining conditions of approval for the project. This traffic study was prepared based on criteria set forth by the City of Brentwood and Contra Costa Transportation Authority (CCTA).

1.1 STUDY METHODOLOGY

The following section describes the methodology used to determine study intersections, analyze study area conditions, and determine significant traffic impacts.

DEVELOPMENT CONDITIONS

This traffic impact study includes evaluation of the following development conditions:

- **Existing Conditions (2017)**
  - ***Existing Baseline Conditions:*** Represents the traffic conditions of the existing street network. Based on the traffic counts collected in September 2017 and existing roadway geometry and traffic control.

- ***Existing plus Project Conditions:*** Represents the traffic conditions of the existing street network with the addition of the proposed project (both development scenarios). Includes roadway geometry and traffic control anticipated with the completion of the project.

- **Existing plus Approved Projects Conditions**
  - ***Existing plus Approved Projects Baseline Conditions:*** Represents the traffic conditions of the street network assumed to be in place at project buildout. Based on traffic associated with several development projects in the vicinity of the proposed project. Includes roadway geometry and traffic control anticipated with the completion of reasonably foreseeable roadway projects.
  - ***Existing plus Approved Projects plus Project Conditions***: Represents the Existing plus Approved Projects traffic conditions with the addition of the proposed project (both development scenarios). Includes roadway geometry and traffic control anticipated with the completion of the project.

- **Cumulative Conditions (2040)**
  - ***Cumulative Baseline Conditions:*** Represents the traffic conditions of the street network assumed to be in place under Cumulative Conditions using the latest version of the CCTA travel demand model. Includes roadway geometry and traffic control anticipated to be present in 2040.
  - ***Cumulative plus Project Conditions:*** Represents the Cumulative traffic conditions with the addition of the proposed project (both development scenarios). Includes roadway geometry and traffic control anticipated with the completion of the project.

OPERATING CONDITIONS AND CRITERIA FOR INTERSECTIONS

Analysis of significant environmental impacts at intersections is based on the concept of Level of Service (LOS). The LOS of an intersection is a qualitative measure used to describe operational conditions. LOS ranges from A (best), which represents minimal delay, to F (worst), which represents heavy delay and a facility that is operating at or near its functional capacity. Levels of Service for this study were determined using methods defined in the Highway Capacity Manual, 2010 (HCM) and appropriate traffic analysis software.

The HCM included procedures for analyzing side-street stop-controlled (SSSC), all-way stop-controlled (AWSC), and signalized intersections. The SSSC procedure defines LOS as a function of average control delay for each minor street approach movement. Conversely, the AWSC and signalized intersection procedures define LOS as a function of average control delay for the intersection as a whole. **Table 1-1** relates the operational characteristics associated with each LOS category for signalized and unsignalized intersections.

Table 1–1 Intersection LOS Definitions

Level of Service	Description	Signalized (Avg. control delay per vehicle sec/veh.)	Unsignalized (Avg. control delay per vehicle sec/veh.)
A	Free flow with no delays. Users are virtually unaffected by others in the traffic stream	≤ 10	≤ 10
B	Stable traffic. Traffic flows smoothly with few delays.	> 10 – 20	> 10 – 15
C	Stable flow but the operation of individual users becomes affected by other vehicles. Modest delays.	> 20 – 35	> 15 – 25
D	Approaching unstable flow. Operation of individual users becomes significantly affected by other vehicles. Delays may be more than one cycle during peak hours.	> 35 – 55	> 25 – 35
E	Unstable flow with operating conditions at or near the capacity level. Long delays and vehicle queuing.	> 55 – 80	> 35 – 50
F	Forced or breakdown flow that causes reduced capacity. Stop and go traffic conditions. Excessive long delays and vehicle queuing.	> 80	> 50

Sources: Transportation Research Board, *Highway Capacity Manual 2010*, National Research Council, 2010

For unsignalized intersections, traffic signals may be justified when traffic operations fall below acceptable thresholds and when one or more signal warrants are satisfied. Traffic volumes at the unsignalized study intersections were compared against the peak hour warrant in the 2014 California Manual on Uniform Traffic Control Devices (CA MUTCD)[1]. Traffic Signal Warrant #3 – Peak Hour Volume Warrant is satisfied when traffic volumes on the major and minor approaches exceed thresholds for one hour of the day. The Peak Hour Warrant is generally the first warrant to be satisfied. Other warrants such as for minimum vehicle volumes, interruption of continuous traffic, and traffic progression were not evaluated because they generally require higher traffic volumes to be satisfied.

ROUTES OF REGIONAL SIGNIFICANCE

Contra Costa County Measure C established a sales tax to be used to fund transportation improvements in Contra Costa County. The measure included a growth management program and required CCTA to develop a comprehensive transportation plan and update it every other year. Measure J, approved by the voters of Contra Costa in November 2004, extended the Measure C half sales tax for transportation through to 2034. It went into effect on April 1, 2009.

To receive a share of the sales tax generated by Measure J, local jurisdictions must adhere to the LOS standards that Measure J applies to local streets and roads. The Measure J standards are applied to streets and roads for which the jurisdictions are responsible. Each jurisdiction must take appropriate action to ensure that the LOS standards are met, including routes of regional significance. Designated regional

[1] *California Manual on Uniform Traffic Control Devices*, (FHWA's MUTCD 2009 Edition, as amended for use in California), 2014 Edition, Revision 2, April 7, 2017.

routes include all the freeways and state highways, and the most significant arterials in Contra Costa County.

CCTA classifies several roadways within or near the Project area as suburban arterial routes of regional significance. These routes include Balfour Road, Fairview Avenue, Lone Tree Way, and Sand Creek Road[2]. Suburban arterial routes are roadway segments where the capacity and quality of service are typically controlled by the operations of the signalized intersections. Per the *East County Action Plan for Routes of Regional Significance* (September 2017), suburban arterial routes should maintain LOS D or better at all signalized intersections, except on Bailey Road or at Traffic Management Program (TMP) sites.

FREEWAYS

CCTA's routes of regional significance also include the SR-4 freeway. SR-4 is currently a two-lane highway north and south of the signalized intersection with Balfour Road and changes to a grade-separated freeway in future scenarios. Per the *East County Action Plan for Routes of Regional Significance* (September 2017), SR-4 must be evaluated using delay index as a measure of effectiveness. Delay index is a comparison of congested travel time to free-flow travel time along the route. Delay Index for routes of regional significance in East County should not exceed 2.5 during the AM or PM Peak Period. In addition, the HOV lane utilization should exceed 600 vehicles per lane in the peak direction during the peak hour.

THRESHOLDS OF SIGNIFICANCE

Project impacts are determined by comparing conditions with the proposed project to those without the proposed project. Significant impacts for intersections are created when traffic from the proposed project causes the LOS to fall below a specific threshold.

Intersections

The City of Brentwood and CCTA accepts a minimum level of service of D at signalized and unsignalized study intersections. Therefore, the following conditions would result in a significant impact at an intersection within the study area:

1. If the intersection operates at an acceptable LOS (i.e. A, B, or C, or D) without the project and degrades to an unacceptable LOS (i.e. E, or F) with the project, then it is a significant impact.

2. If the intersection operates at an unacceptable LOS (i.e. E, or F) without the project and the project increases the delay at the intersection, then it is a significant impact.

STUDY INTERSECTIONS INCLUDED IN ANALYSIS

The proposed project will generate new vehicular trips that will increase traffic volumes on the nearby street network. To assess changes in traffic conditions associated with the proposed project, the following intersections were selected for evaluation in this traffic study in concurrence with the City of Brentwood:

1. Lone Tree Way / Heidorn Ranch Road/Fairside Way
2. Lone Tree Way / SR-4 SB Ramps
3. Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp

[2] *Final East County Action Plan for Routes of Regional Significance*, TRANSPLAN, September 2017.

4. Jeffrey Way / SR-4 NB Ramps
5. Sand Creek Road / Heidorn Ranch Road (Future)
6. Sand Creek Road / San Jose Avenue (Future)
7. Sand Creek Road / SR-4 SB Ramps
8. Sand Creek Road / SR-4 NB Ramps
9. Sand Creek Road / Sand Creek Crossing/Streets of Brentwood
10. Sand Creek Road / Shady Willow Lane/Highland Way
11. Sand Creek Road / Fairview Avenue
12. San Jose Avenue / St. Regis Avenue
13. San Jose Avenue / Portofino Drive
14. San Jose Avenue/ Fairview Avenue
15. Balfour Road / SR-4
16. Balfour Road / SR-4 SB Ramps (Future)
17. Balfour Road / SR-4 NB Ramps (Future)
18. Balfour Road / American Avenue / West Country Club Drive
19. Balfour Road / Foothill Drive / East Country Club Drive
20. West Country Club Drive / Presidio Drive
21. East Country Club Drive / Roundhill Drive

These study intersections are illustrated in **Figure 1-1**.

OTHER STUDY FACILITIES

The following routes of regional significance were also evaluated in this traffic impact analysis:

Suburban Arterial Routes

1. Lone Tree Way
2. Sand Creek Road
3. Fairview Avenue
4. Balfour Road

Freeway

1. SR-4

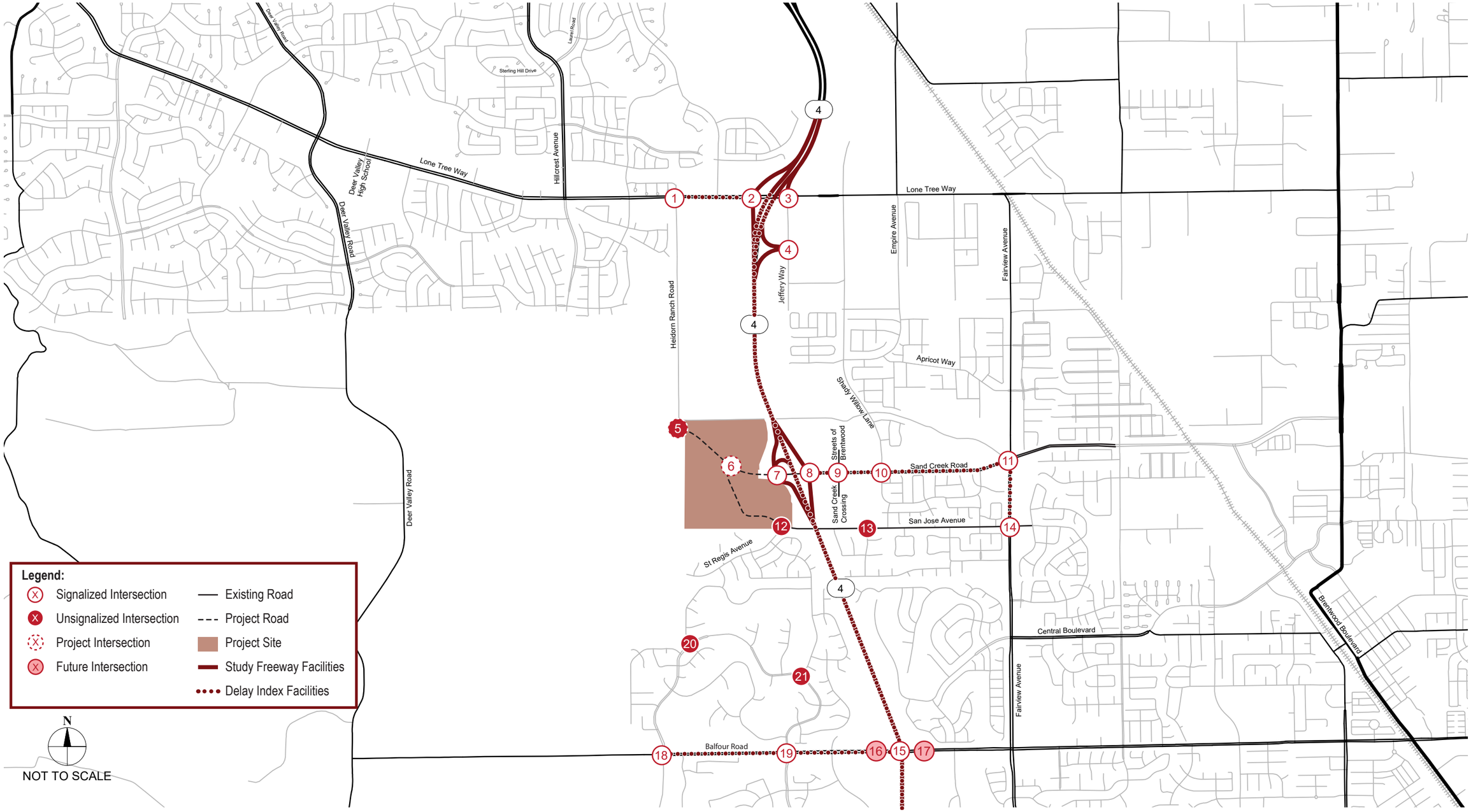


Figure 1-1
Project Location and Study Intersections

1.2 PROJECT DESCRIPTION

The proposed project site consists of approximately 134 acres and is located west of SR-4 and south of Sand Creek Road. For the purposes of providing flexibility in the ultimate site layout but obtaining approval on the proposed project, two development scenarios are analyzed. The project location is shown in **Figure 1-1** and the project's proposed site plan and subarea designation is shown in **Figure 1-2**.

The first development scenario includes:

- Single-Family Development: 328 homes
- Multi-Family Development: 258 units
- Commercial Development: 199,940 square feet

The second development scenario includes:

- Single-Family Development: 265 homes and a Brentwood Union School District K-5 Elementary School
- Multi-Family Development: 258 units
- Commercial Development: 199,940 square feet

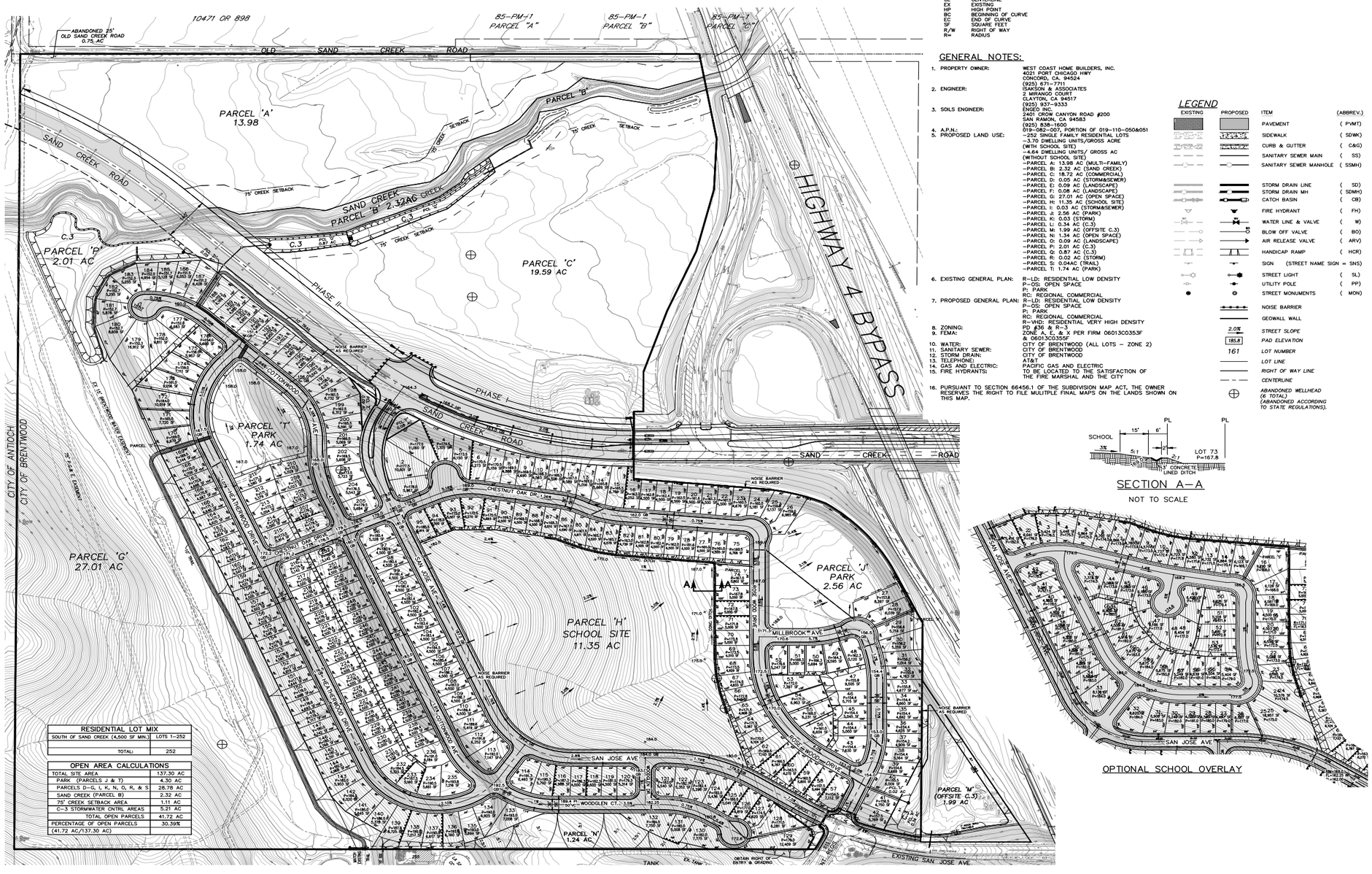
It is assumed that the elementary school will be a public school and accommodate between 700 and 750 students, with an option to grow to 900 students over time. To be conservative, the trip generation for development scenario 2 assumes 900 students.

The proposed project would construct several roadways and intersections that would only be in place with the project and are assumed to be in place for all analyses that include the project traffic. Vehicular access to the proposed single-family residential area would be provided at Sand Creek Road and San Jose Avenue. Access to the multi-family apartment complex would be provided by a new roadway extending southward from Old Sand Creek Road to the proposed Sand Creek Road extension. An internal circulation system would be provided throughout the proposed single-family residential subdivision. A summary of these improvements are as follows:

- Extension of Sand Creek Road west of SR-4 to Heidorn Ranch Road
- Extension of San Jose Avenue west from Saint Regis Avenue to its termination in the residential areas of the project
- Extension of Saint Regis Avenue north from San Jose Avenue to its termination in the residential areas of the project
- Construction of new roadway extending southward from Old Sand Creek Road to the proposed Sand Creek Road extension

The following future intersections are assumed to only be in place with the project and are assumed to be in place for all analyses that include the project traffic:

5. Sand Creek Road / Heidorn Ranch Road
6. Sand Creek Road / San Jose Avenue



RESIDENTIAL LOT MIX	
SOUTH OF SAND CREEK (4,500 SF MIN.)	LOTS 1–252
TOTAL:	252

OPEN AREA CALCULATIONS	
TOTAL SITE AREA	137.30 AC
PARK (PARCELS J & T)	4.30 AC
PARCELS D–G, I, K, N, Q, R, & S	28.78 AC
SAND CREEK (PARCEL B)	2.32 AC
75' CREEK SETBACK AREA	1.11 AC
C–3 STORMWATER CNTRL AREAS	5.21 AC
TOTAL OPEN PARCELS	41.72 AC
PERCENTAGE OF OPEN PARCELS (41.72 AC/137.30 AC)	30.39%

ABBREVIATIONS:

SS	SANITARY SEWER
SD	STORM DRAIN
W	WATER
Z2	WATER PRESSURE ZONE 2
CL	CENTERLINE
EX	EXISTING
HP	HIGH POINT
BC	BEGINNING OF CURVE
EC	END OF CURVE
SF	SQUARE FEET
R/W	RIGHT OF WAY
R=	RADIUS

GENERAL NOTES:

1. PROPERTY OWNER: WEST COAST HOME BUILDERS, INC. 4021 PORT CHICAGO HWY CONCORD, CA. 94524 (925) 671–7711
2. ENGINEER: ISAKSON & ASSOCIATES 2 MIRANGO COURT CLAYTON, CA 94517 (925) 937–9333
3. SOILS ENGINEER: ENGEO INC. 2401 CROW CANYON ROAD #200 SAN RAMON, CA 94583 (925) 838–1600
4. A.P.N.: 019–082–007, PORTION OF 019–110–050&051
5. PROPOSED LAND USE:
   - –252 SINGLE FAMILY RESIDENTIAL LOTS
   - –3.70 DWELLING UNITS/GROSS ACRE (WITH SCHOOL SITE)
   - –4.64 DWELLING UNITS/ GROSS AC (WITHOUT SCHOOL SITE)
   - –PARCEL A: 13.98 AC (MULTI–FAMILY)
   - –PARCEL B: 2.32 AC (SAND CREEK)
   - –PARCEL C: 18.72 AC (COMMERCIAL)
   - –PARCEL D: 0.05 AC (STORM&SEWER)
   - –PARCEL E: 0.09 AC (LANDSCAPE)
   - –PARCEL F: 0.08 AC (LANDSCAPE)
   - –PARCEL G: 27.01 AC (OPEN SPACE)
   - –PARCEL H: 11.35 AC (SCHOOL SITE)
   - –PARCEL I: 0.03 AC (STORM&SEWER)
   - –PARCEL J: 2.56 AC (PARK)
   - –PARCEL K: 0.03 (STORM)
   - –PARCEL L: 0.34 AC (C.3)
   - –PARCEL M: 1.99 AC (OFFSITE C.3)
   - –PARCEL N: 1.34 AC (OPEN SPACE)
   - –PARCEL O: 0.09 AC (LANDSCAPE)
   - –PARCEL P: 2.01 AC (C.3)
   - –PARCEL Q: 0.87 AC (C.3)
   - –PARCEL R: 0.02 AC (STORM)
   - –PARCEL S: 0.04AC (TRAIL)
   - –PARCEL T: 1.74 AC (PARK)
6. EXISTING GENERAL PLAN: R–LD: RESIDENTIAL LOW DENSITY; P–OS: OPEN SPACE; P: PARK; RC: REGIONAL COMMERCIAL
7. PROPOSED GENERAL PLAN: R–LD: RESIDENTIAL LOW DENSITY; P–OS: OPEN SPACE; P: PARK; RC: REGIONAL COMMERCIAL; R–VHD: RESIDENTIAL VERY HIGH DENSITY
8. ZONING: PD #36 & R–3
9. FEMA: ZONE A, E, & X PER FIRM 06013C0353F & 06013C0355F
10. WATER: CITY OF BRENTWOOD (ALL LOTS – ZONE 2)
11. SANITARY SEWER: CITY OF BRENTWOOD
12. STORM DRAIN: CITY OF BRENTWOOD
13. TELEPHONE: AT&T
14. GAS AND ELECTRIC: PACIFIC GAS AND ELECTRIC
15. FIRE HYDRANTS: TO BE LOCATED TO THE SATISFACTION OF THE FIRE MARSHAL AND THE CITY
16. PURSUANT TO SECTION 66456.1 OF THE SUBDIVISION MAP ACT, THE OWNER RESERVES THE RIGHT TO FILE MULITPLE FINAL MAPS ON THE LANDS SHOWN ON THIS MAP.

LEGEND

EXISTING	PROPOSED	ITEM	(ABBREV.)
		PAVEMENT	(PVMT)
		SIDEWALK	(SDWK)
		CURB & GUTTER	(C&G)
		SANITARY SEWER MAIN	(SS)
		SANITARY SEWER MANHOLE	(SSMH)
		STORM DRAIN LINE	(SD)
		STORM DRAIN MH	(SDMH)
		CATCH BASIN	(CB)
		FIRE HYDRANT	(FH)
		WATER LINE & VALVE	(W)
		BLOW OFF VALVE	(BO)
		AIR RELEASE VALVE	(ARV)
		HANDICAP RAMP	(HCR)
		SIGN (STREET NAME SIGN = SNS)	
		STREET LIGHT	(SL)
		UTILITY POLE	(PP)
		STREET MONUMENTS	(MON)
		NOISE BARRIER	
		GEOWALL WALL	
	2.0%	STREET SLOPE	
	185.8	PAD ELEVATION	
	161	LOT NUMBER	
		LOT LINE	
		RIGHT OF WAY LINE	
		CENTERLINE	
		ABANDONED WELLHEAD (6 TOTAL) (ABANDONED ACCORDING TO STATE REGULATIONS).	

SECTION A–A

NOT TO SCALE

OPTIONAL SCHOOL OVERLAY

Figure 1-2
Bridle Gate Development Site Plan

2 EXISTING CONDITIONS

This section summarizes the existing roadway circulation network, daily and peak-hour traffic volumes, and operations at the study intersections and roadway segments.

CURRENT USE OF SITE

The site is currently undeveloped and does not generate any trips. The adjacent street network is built up to the limits of the site and the proposed project will tie into the existing truncated streets.

ADJACENT STREET SYSTEM

The following is a description of the principal roadways included in this study:

State Route 4 (SR-4) provides east-west connectivity between Interstate 80 (I-80) and the Sierra Nevada mountains, connecting with Interstate 680 (I-680) and State Route 160 west of the project site. State Route 4 passes through Antioch and Brentwood north-south where the project is located, and continuing east towards Stockton where it connects with Interstate 5 (I-5), State Route 99 (SR-99), and terminates in the Sierra Nevada Mountains at State Route 89. There are several projects currently planned that ultimately will expand SR-4 from four to eight lanes between Loveridge Road and SR-160, add a Bay Area Rapid Transit (BART) extension from Pittsburg to Antioch, improve the SR-160 and SR-4 Connector Ramps, and construct a grade-separated interchange at Balfour Road. Within the City of Brentwood, SR-4 was formerly known as the State Route 4 Bypass, but it has recently been changed to be part of State Route 4. As part of the improvements associated with becoming SR-4, the existing road will eventually be widened to a 4-lane divided freeway with interchanges at Lone Tree Way, Sand Creek Road, Balfour Road, Marsh Creek Road, and Walnut Boulevard.

Lone Tree Way is a major arterial that has six lanes and is located at the north end of the project area. Lone Tree Way runs north-south in Antioch, turns east-west and intersects with SR-4 near Brentwood, and terminates just east of Brentwood Boulevard. This roadway provides regional connectivity from the project area to the City of Antioch, and is fronted by, and provides direct access to, many commercial land uses. The posted speed limit is 45 mph.

Sand Creek Road is a major arterial that has four travel lanes and currently provides east-west connections from SR-4 to just east of Garin Parkway. Sand Creek Road would be the primary connection to the proposed project and currently provides access to major retail centers just east of SR-4. The Sand Creek Road and SR-4 interchange project was completed in early November 2013 as part of the SR-4 development plan. Sand Creek Road is planned to be extended east of Garin Boulevard to Sellers Avenue and west of SR-4 to Deer Valley Road. The posted speed limit is 45 mph between Highway 4 and O'Hara Avenue and 35 mph between O'Hara Avenue and Garin Parkway.

Balfour Road is a major arterial that has four travel lanes and is located at the south end of the project area. Balfour Road runs east-west, terminates at Deer Valley Road to the west and becomes Fallman Boulevard east of Bixler Road, providing access from downtown Brentwood to/from unincorporated areas within Contra Costa County.

Fairview Avenue is a north-south arterial roadway which connects from Lone Tree Way on the north end and becomes Vineyards Parkway just south of SR-4, providing access to residential neighborhoods throughout Brentwood. Fairview Avenue is a major arterial between Sand Creek Road and Balfour Road where it has four travel lanes, and a minor arterial between Sand Creek Road and Lone Tree Way where it has two travel lanes. The posted speed limit is 35 mph between Lone Tree Way and Sand Creek Road and 45 mph between Sand Creek Road and Balfour Road.

Shady Willow Lane has four travel lanes and is a north-south minor arterial connecting Lone Tree Way to Sand Creek Road, providing access to commercial and residential areas. The posted speed limit 35 mph between Lone Tree Way and Grant Street and 45 mph between Grant Street and Sand Creek Road.

Other roadways incorporated in this analysis (i.e. San Jose Avenue, Country Club Drive) are local roads that provide connectivity to surrounding neighborhoods and/or other portions of the City.

2.1 EXISTING LANE CONFIGURATIONS AND TRAFFIC CONTROL

Existing intersection lane configurations and traffic controls are illustrated in **Figure 2-1**. The study intersections are also listed below with existing traffic control:

Signalized Intersections

- #1 – Lone Tree Way at Heidorn Ranch Road/Fairside Way
- #2 – Lone Tree Way at SR-4 SB Ramps
- #3 – Lone Tree Way at Jeffery Way/SR-4 NB Entrance Ramp
- #4 – Jeffery Way at SR-4 NB Ramps
- #7 – Sand Creek Road at SR-4 SB Ramps
- #8 – Sand Creek Road at SR-4 NB Ramps
- #9 – Sand Creek Road at Streets of Brentwood
- #10 – Sand Creek Road at Shady Willow Lane/Highland Way
- #11 – Sand Creek Road at Fairview Avenue
- #14 – San Jose Avenue at Fairview Avenue
- #15 – Balfour Road at SR-4
- #18 – Balfour Road at American Avenue/ W Country Club Drive
- #19 – Balfour Road at Foothill Drive/ E Country Club Drive

All-way Stop Controlled (AWSC) Intersections

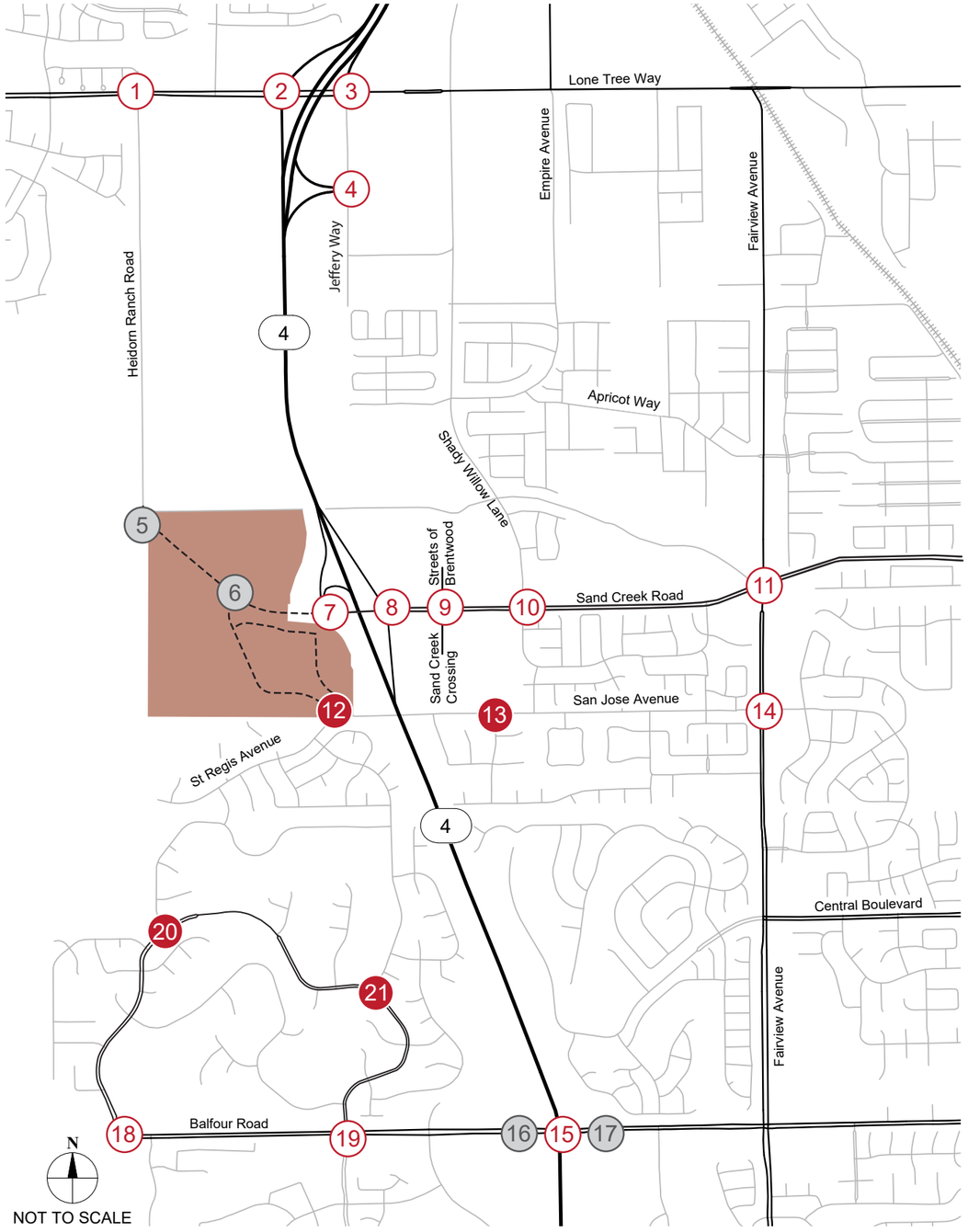
- #20 – W Country Club Drive at Presidio Drive
- #21 – E Country Club Drive at Roundbill Drive

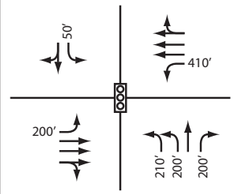
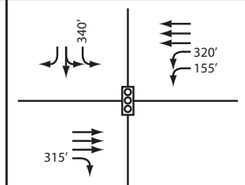
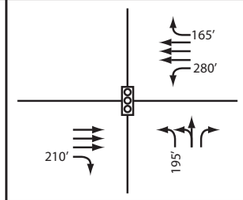
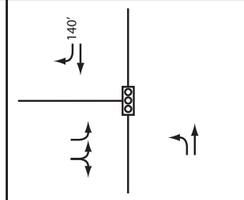
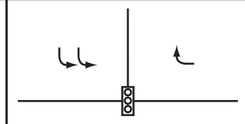
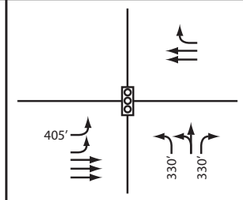
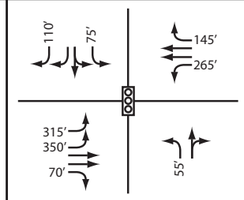
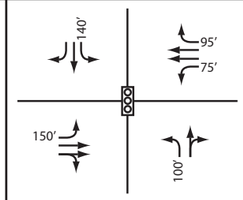
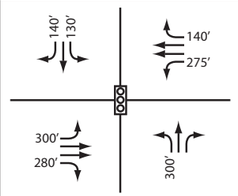
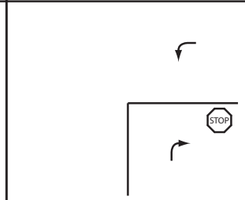
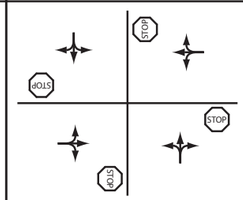
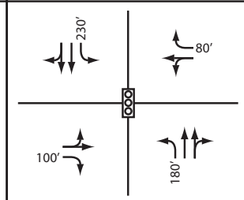
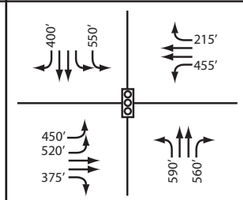
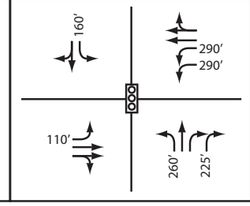
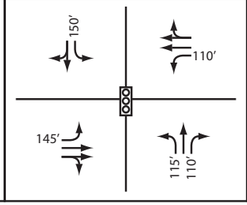
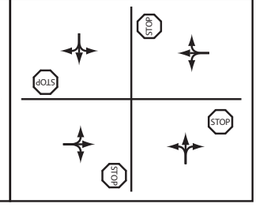
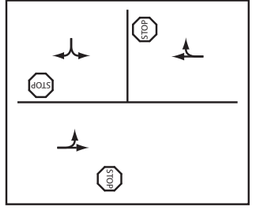
Side-street Stop Controlled (SSSC) Intersections

- #12 – San Jose Avenue at St. Regis Avenue
- #13 – San Jose Avenue at Portofino Drive

Future Intersections with Approved Projects

- #16 – Balfour Road at SR-4 SB Ramps
- #17 – Balfour Road at SR-4 NB Ramps



1. Lone Tree Wy/ Heidorn Ranch Rd/Fairside Wy	2. Lone Tree Wy/ SR-4 EB Ramps	3. Lone Tree Wy/ Jeffery Wy/SR-4 WB On-Ramp	4. SR-4 WB Ramps/ Jeffery Wy	5. Sand Creek Rd/ Heidorn Ranch Rd
				Intersection does not exist under this scenario
6. Sand Creek Rd/ San Jose Ave	7. Sand Creek Rd/ SR-4 EB Ramps	8. Sand Creek Rd/ SR-4 WB Ramps	9. Sand Creek Rd/ Sand Creek Crossing	10. Sand Creek Rd/ Shady Willow Ln/Highland Wy
Intersection does not exist under this scenario				
11. Sand Creek Rd/ Fairview Ave	12. San Jose Ave/ St. Regis Ave/Rose Wood Dr	13. San Jose Ave/ Portofino Dr	14. San Jose Ave/ Fairview Ave	15. Balfour Rd/ SR-4
				
16. Balfour Rd/ SR-4 EB Ramps	17. Balfour Rd/ SR-4 WB Ramps	18. Balfour Rd/ American Ave/W Country Club Dr	19. Balfour Rd/ Foothill Dr/E Country Club Dr	20. W Country Club Dr/ Presidio Dr
Intersection does not exist under this scenario	Intersection does not exist under this scenario			
21. E Country Club Dr/ Roundhill Dr				
				

Legend:

X Signalized	XX′ Storage Length
X Unsignalized	Project Road
X Does Not Exist	Project Site

Figure 2-1
Existing Conditions - Lane Geometry and Traffic Control

Future Intersections with the Project

- #5 – Sand Creek Road at Heidorn Ranch Road (AWSC)
- #6 – Sand Creek Road at San Jose Avenue (Signal)

2.2 EXISTING TRANSIT FACILITIES

Transit service in the City of Brentwood is provided by Tri-Delta Transit (TDT). TDT currently operates two routes (383 and 385) on weekdays and two routes on weekends (383 and 395) that serve the project area. Route 383 runs from the Antioch Park & Ride (Hillcrest) east to the City of Oakley, south to the City of Brentwood, crosses back west into the City of Antioch via Lone Tree Way and returns to the Park & Ride via Deer Valley Road. Route 385 runs between the Antioch Park & Ride (Hillcrest) and the Brentwood Park & Ride, using local streets including Hillcrest Avenue, Lone Tree Way, Sand Creek Road, Fairview Avenue, and Balfour Road as well as SR-4 to approach its selected trips to American Avenue. Route 395, runs from the Antioch Park & Ride (Hillcrest) south on SR-4 to Lone Tree Way where it heads east and then south to connect with Sand Creek Road before heading north on SR-4 back to the Antioch Park & Ride. Bus routes in the vicinity of the project are illustrated in **Figure 2-2** and more detailed routes are provided in **Appendix A**. TDT and the City of Brentwood also provide a dial-a-ride service for the elderly and handicapped population.

2.3 EXISTING BICYCLE AND PEDESTRIAN FACILITIES

Sand Creek Road, Balfour Road, Fairview Avenue, E Country Club Drive, W Country Club Drive, and Shady Willow Lane all generally provide a striped (Class II) bike lane and sidewalk facilities. San Jose Avenue and St. Regis Avenue both have Class II bicycle lanes near the project site. Lone Tree Way lacks bicycle facilities and is designed to accommodate vehicles, but provides sidewalks on both sides of the street. Pedestrians and bicyclists are prohibited on SR-4.

The City of Brentwood Parks and Recreation Department has bicycle and pedestrian trail locations across the city including within the project area. Asphalt trails run along Lone Tree Way, SR-4 between San Jose Avenue and Castellina Drive, Fairview Avenue and along Old Sand Creek Road crossing Fairview Avenue. Concrete trails run along Balfour Road east of SR-4 and Sand Creek Road, crossing Fairview Avenue.

In addition, the Class I Mokelumne Coast to Crest Trail exists along the Marsh Creek Trail and the East Bay Municipal Utility District's Mokelumne Aqueduct right-of-way. Near the project area the trail currently has a connection across SR-4 north of the project area. The trail will ultimately run between the Sierra Nevada Mountains and the Oakland/Jack London Square shoreline.

2.4 EXISTING PEAK HOUR TURNING MOVEMENT VOLUMES

Weekday intersection turning movement volumes for the 17 existing study intersections were collected on Wednesday, September 13, 2017 by All Traffic Data. Volumes were collected during the AM (7-9 AM) and PM (2-6 PM) peak periods of the weekday when local schools were in session. The extended afternoon period was used to capture the afternoon school peak traffic. The PM commute peak was determined to be the higher afternoon peak and was used for the analysis.

On the day the counts were collected, Heritage High School had a late start. To capture the traffic patterns during a regular day schedule, weekday intersection turning movement volumes collected on Tuesday,

February 14, 2017 were also used for the study intersections along Balfour Road during the AM peak period.

Intersection volume data sheets for all traffic counts are provided in **Appendix B**. The existing peak-hour turning movement volumes used are shown in **Figure 2-3**.

2.5 EXISTING LOS AT STUDY INTERSECTIONS

Traffic operations were evaluated at the study intersections under Existing Conditions. Results of the analysis are presented in **Table 2-1**.

As shown in the table, the study intersections that currently do not function within acceptable standards are:

- #14 – Fairview Avenue at San Jose Avenue
    - AM (LOS E) and PM (LOS E) Peaks
- #15 – SR-4 and Balfour Road
    - PM (LOS F) Peak
- #18 – W Country Club Drive/ American Avenue at Balfour Road
    - AM (LOS E)

These are preexisting deficiencies and not a result of the proposed project. Analysis sheets are provided in **Appendix C**.

2.6 EXISTING FREEWAY ANALYSIS

Traffic operations were evaluated at SR-4 under Existing Conditions. Results of the analyses are presented in **Table 2-2**. As shown in the Table, SR-4 between Lone Tree Way and Balfour functions within acceptable standards under Existing Conditions.

Analysis sheets are provided in **Appendix C**.

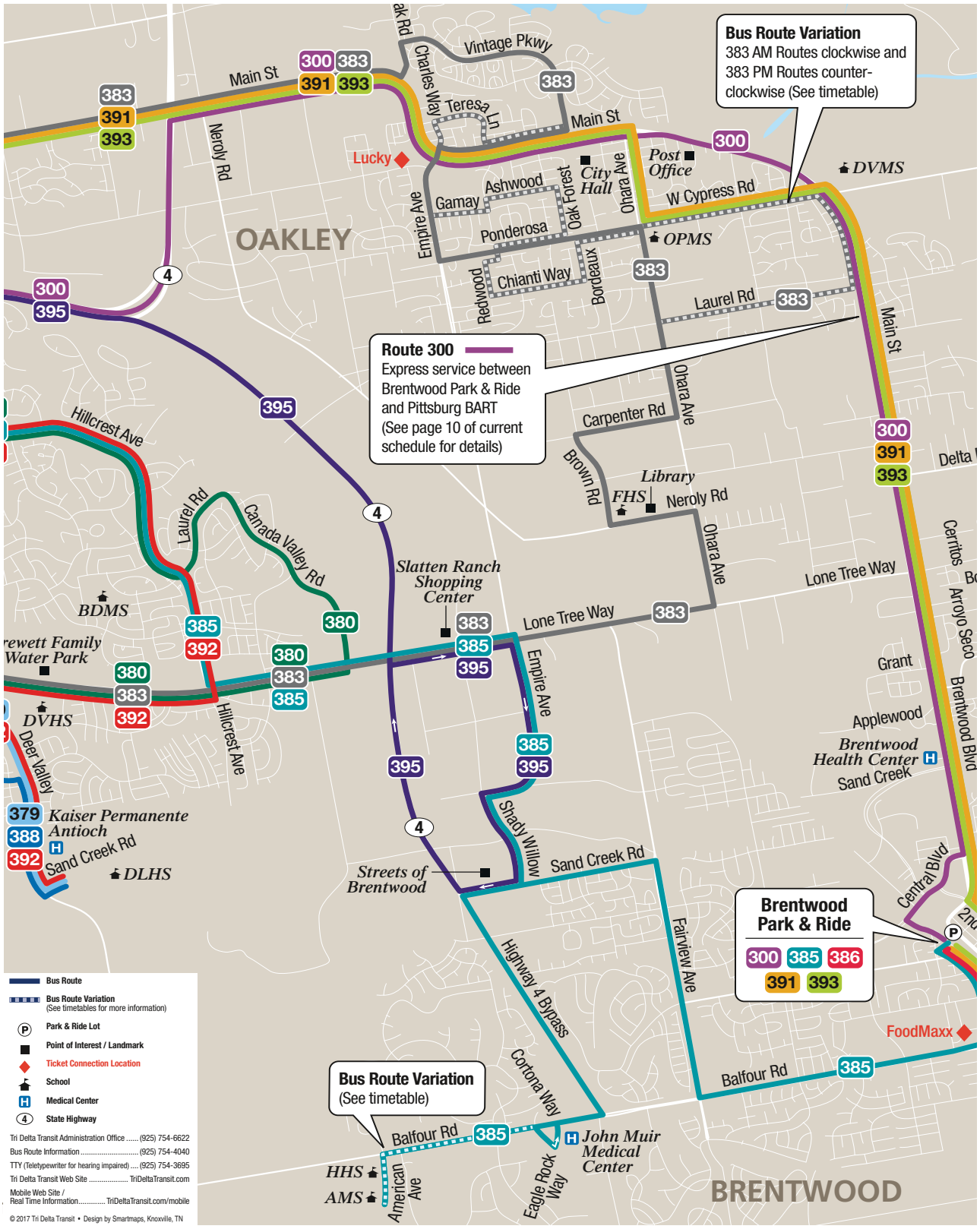
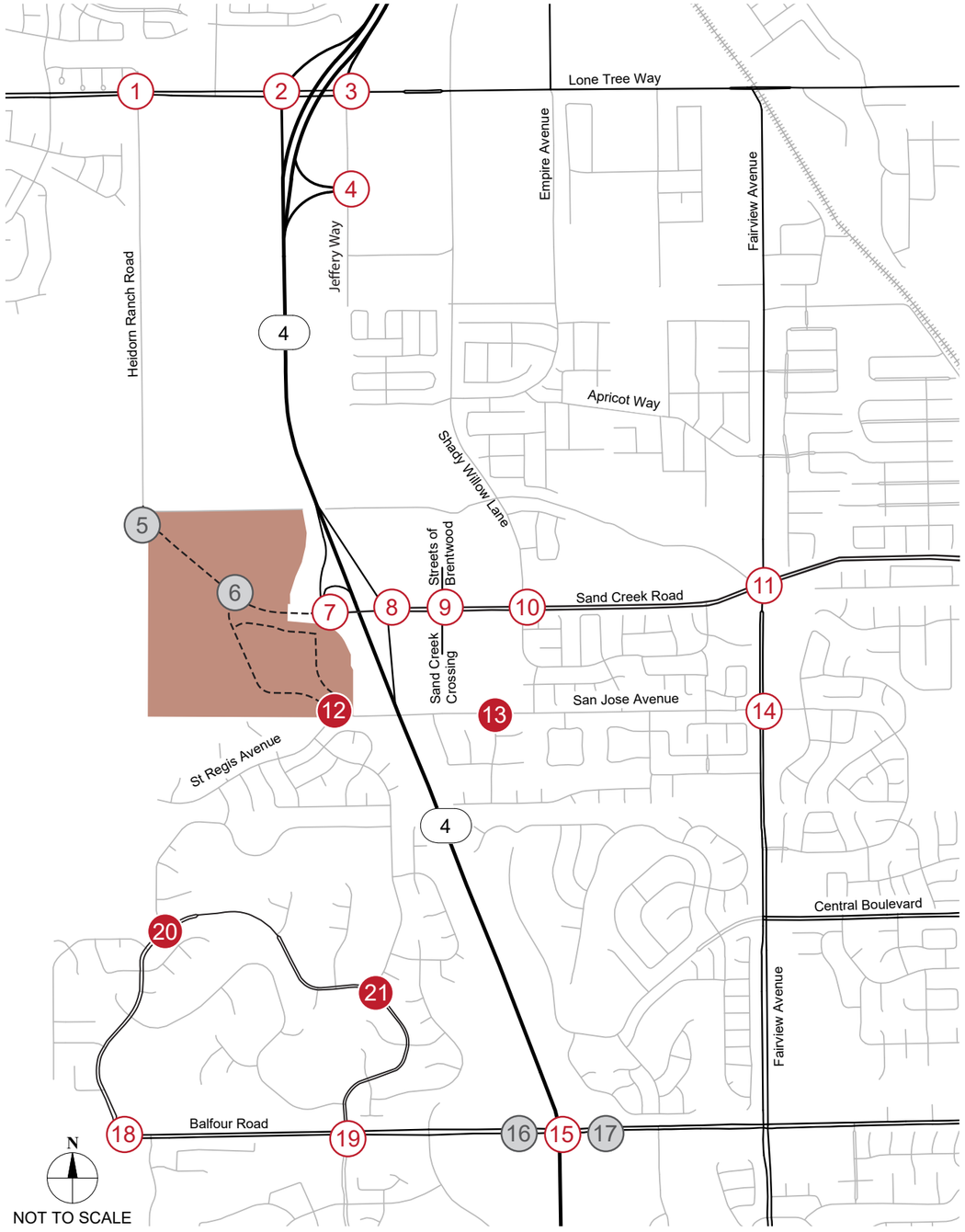


Figure 2-2
Existing Transit Facilities



1

	Fairside Way	Lone Tree Way
5 / 3	⇦	19 / 24
6 / 1	⇩	1089 / 1134
19 / 24	⇨	38 / 34
Heidorn Ranch Rd		
3 / 16	⇖	50 / 128
895 / 1287	⇧	2 / 4
65 / 108	⇗	41 / 77

2

	SR-4 EB Off-Ramp	Lone Tree Way
594 / 623	⇦	1107 / 1317
3 / 0	⇩	81 / 115
347 / 611	⇨	
SR-4 EB On-Ramp		
959 / 1532	⇖	
427 / 532	⇧	
	⇗	

3

	SR-4 WB On-Ramp	Lone Tree Way
	⇦	471 / 476
	⇧	766 / 935
	⇨	19 / 10
Jeffery Way		
1021 / 1726	⇖	430 / 515
285 / 408	⇩	25 / 35
	⇗	156 / 211

4

	Jeffery Way	
271 / 396	⇦	
4 / 3	⇩	
	⇨	
SR-4 WB Ramps		
578 / 705	⇖	
34 / 16	⇧	
	⇗	1 / 1
		3 / 3

5

Intersection does not exist under this scenario

6

Intersection does not exist under this scenario

7

	SR-4 SB Ramps	Sand Creek Rd
	⇦	77 / 81
856 / 1428	⇧	
	⇗	

8

	SR-4 NB On-Ramp	Sand Creek Rd
	⇦	866 / 871
	⇧	87 / 67
	⇨	
4 / 8	⇖	1 / 0
837 / 1432	⇩	1 / 0
SR-4 NB Off-Ramp	⇗	100 / 135

9

	Streets of Brentwood	Sand Creek Rd
66 / 176	⇦	87 / 123
20 / 59	⇩	738 / 569
45 / 102	⇨	42 / 107
Sand Creek Crossing		
84 / 258	⇖	145 / 174
730 / 1040	⇧	36 / 52
118 / 262	⇗	36 / 89

10

	Shady Willow Ln	Sand Creek Rd
80 / 98	⇦	141 / 134
89 / 105	⇩	760 / 723
152 / 200	⇨	22 / 20
Highland Way		
81 / 139	⇖	84 / 44
696 / 1152	⇧	71 / 78
55 / 67	⇗	19 / 7

11

	Fairview Ave	Sand Creek Rd
39 / 34	⇦	56 / 76
320 / 324	⇩	634 / 584
83 / 130	⇨	183 / 131
21 / 84	⇖	339 / 295
631 / 840	⇧	269 / 282
238 / 427	⇗	204 / 149

12

		San Jose Ave
		⇦ 432 / 344
St. Regis Ave		
		⇖ 288 / 275

13

	Dwy	San Jose Ave
28 / 0	⇦	1 / 11
2 / 3	⇩	389 / 279
78 / 6	⇨	15 / 39
0 / 3	⇖	34 / 5
359 / 213	⇧	
7 / 6	⇗	24 / 12
Portofino Drive		

14

	Fairview Ave	San Jose Ave
126 / 79	⇦	91 / 68
561 / 679	⇩	81 / 16
54 / 92	⇨	48 / 17
136 / 92	⇖	151 / 170
52 / 22	⇧	554 / 528
171 / 149	⇗	18 / 38

15

	SR-4	Balfour Rd
389 / 87	⇦	455 / 161
674 / 894	⇩	807 / 635
282 / 185	⇨	77 / 447
514 / 33	⇖	155 / 440
701 / 563	⇧	647 / 610
267 / 390	⇗	36 / 309

16

Intersection does not exist under this scenario

17

Intersection does not exist under this scenario

18

	W Country Club Dr	Balfour Rd
6 / 19	⇦	91 / 97
471 / 103	⇧	418 / 235
71 / 98	⇨	791 / 212
American Ave		
13 / 41	⇖	123 / 30
218 / 358	⇧	213 / 90
354 / 25	⇗	728 / 192

19

	E Country Club Dr	Balfour Rd
252 / 23	⇦	49 / 144
114 / 45	⇧	916 / 517
189 / 95	⇨	44 / 119
Foothill Dr		
53 / 21	⇖	210 / 35
859 / 584	⇧	87 / 26
121 / 48	⇗	81 / 58

20

	Presidio Drive	W Country Club Dr
270 / 154	⇦	5 / 5
11 / 10	⇧	29 / 21
9 / 3	⇨	4 / 1
96 / 135	⇖	3 / 3
23 / 30	⇧	5 / 7
	⇗	3 / 2

21

	Roundhill Dr	E Country Club Dr
12 / 20	⇦	102 / 92
135 / 91	⇧	31 / 32
	⇨	
21 / 27	⇖	
71 / 24	⇩	
	⇗	

Legend:

- (X) Signalized
- X Unsignalized
- (X) Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- --- Project Road
- Project Site

NOT TO SCALE

Figure 2-3
Existing Conditions Peak Hour Turning Movement Volumes

Table 2–1 Existing Conditions Intersection LOS Summary

#	Intersection	Traffic Control	Peak Hour	Delay (a)	LOS
1	Lone Tree Way / Heidorn Ranch Road/Fairside Way	Signal	AM	10.9	B
			PM	12.5	B
2	Lone Tree Way / SR-4 SB Ramps	Signal	AM	43.2	D
			PM	35.1	D
3	Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp	Signal	AM	19.8	B
			PM	13.4	B
4	Jeffrey Way / SR-4 NB Ramps	Signal	AM	10.6	B
			PM	13.0	B
5	Sand Creek Road / Heidorn Ranch Road (Future	SSSC	AM	*Intersection does not exist in this scenario*	
			PM		
6	Sand Creek Road / San Jose Avenue (Future)	Signal	AM	*Intersection does not exist in this scenario*	
			PM		
7	Sand Creek Road / SR-4 SB Ramps	Signal	AM	3.5	A
			PM	3.6	A
8	Sand Creek Road / SR-4 NB Ramps	Signal	AM	16.7	B
			PM	9.7	A
9	Sand Creek Road / Sand Creek Crossing/Streets of Brentwood	Signal	AM	16.7	B
			PM	23.7	C
10	Sand Creek Road / Shady Willow Lane/Highland Way	Signal	AM	16.8	B
			PM	20.8	C
11	Sand Creek Road / Fairview Avenue	Signal	AM	52.1	D
			PM	42.3	D
12	San Jose Avenue / St. Regis Avenue	SSSC	AM	0.0	A
			PM	0.0	A
13	San Jose Avenue / Portofino Drive	SSSC	AM	15.3	C
			PM	9.8	A
14	San Jose Avenue/ Fairview Avenue	Signal	AM	65.8	**E**
			PM	56.4	**E**
15	Balfour Road / SR-4	Signal	AM	41.9	D
			PM	107.2	**F**
16	Balfour Road / SR-4 SB Ramps (Future)	Signal	AM	*Intersection does not exist in this scenario*	
			PM		
17	Balfour Road / SR-4 NB Ramps (Future)	Signal	AM	*Intersection does not exist in this scenario*	
			PM		
18	Balfour Road / American Avenue / West Country Club Drive	Signal	AM	75.8	**E**
			PM	15.4	B
19	Balfour Road / Foothill Drive / E Country Club Drive	Signal	AM	30.5	C
			PM	14.6	B
20	West Country Club / Presidio Drive	AWSC	AM	11.5	B
			PM	8.5	A
21	East Country Club / Roundhill Drive	AWSC	AM	8.8	A
			PM	7.8	A

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds.

(a) Delay is measured in seconds.

Table 2–2 Existing Conditions Routes of Regional Significance Travel Time Summary

Facility	Direction	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak				
SR-4				
North of Lone Tree Way (Basic)	NB	11.4	11.4	1.00
	SB	14.8	14.8	1.00
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.7	17.0	1.10
	SB	19.7	17.0	1.16
Jeffery Way NB On-Ramp (Merge)	NB	18.5	17.0	1.09
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.5	17.0	1.15
	SB	18.5	17.0	1.09
Lone Tree Way to Sand Creek Road (Basic)	NB	3.4	3.4	1.00
	SB	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.8	17.0	1.10
	SB	19.7	17.0	1.15
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.2	17.0	1.13
	SB	18.3	17.0	1.07
Sand Creek Road to Balfour Road (Basic)	NB	31.8	31.8	1.00
	SB	30.1	30.1	1.00
PM Peak				
SR-4				
North of Lone Tree Way (Basic)	NB	11.4	11.4	1.00
	SB	14.8	14.8	1.00
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.5	17.0	1.08
	SB	19.6	17.0	1.15
Jeffery Way NB On-Ramp (Merge)	NB	18.4	17.0	1.08
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.6	17.0	1.15
	SB	18.3	17.0	1.07
Lone Tree Way to Sand Creek Road (Basic)	NB	3.5	3.4	1.02
	SB	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.7	17.0	1.09
	SB	19.2	17.0	1.13
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.2	17.0	1.13
	SB	18.7	17.0	1.09
Sand Creek Road to Balfour Road (Basic)	NB	31.9	31.8	1.00
	SB	30.1	30.1	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds

Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

3 TRAFFIC IMPACT ANALYSIS

The following section describes the trip generation, distribution and assignment related to the proposed project.

3.1 PROJECT TRIP GENERATION

Trip generation for development projects is typically calculated based on information contained in the most recent edition of the Institute of Transportation Engineer's (ITE) publication, *Trip Generation Manual*[3]. The Trip Generation Manual is a standard reference used by jurisdictions throughout the country for the estimation of trip generation potential of proposed developments. A trip is defined in the Trip Generation Manual as a single or one-directional vehicle movement with either the origin or destination at the project site. In other words, a trip can be either "to" or "from" the site. As a result, a single customer visit to a site is counted as two trips (i.e., one to and one from the site).

For purposes of determining the worst-case impacts of traffic on the surrounding street network, the trips generated by a proposed development are typically estimated between the hours of 7:00-9:00 AM and 4:00-6:00 PM on a weekday. While the project itself may generate more traffic during some other time of the day or week, the peak of "adjacent street traffic" represents the time period when the uses generally contribute to the greatest amount of congestion, with the PM peak commonly being the greatest congestion period.

The proposed development is most appropriately classified as categories defined by ITE: Shopping Center (ITE Land Use 820), Single-Family Detached Housing (ITE Land Use 210), Apartment (ITE Land Use 220), and Elementary School (ITE Land Use 520). Trip generation calculations were performed based on gross floor area of the shopping center land use, the number of units for the housing land use, and the number of students for the school land use.

Internal capture reductions were considered to account for the interaction of separate uses within a multi-use development. A key characteristic of such development is that trips among the various land uses can be made on-site, thus resulting in internal trips that would not affect the offsite roadway network. Internal capture calculations were conducted following ITE methodologies contained in the Trip Generation Manual for the proposed development during the AM peak hour, PM peak hour, and daily periods. However, the Caltrans *Guide for the Preparation of Traffic Impact Studies*[4] accepts a maximum internal capture rate of five percent. Therefore, for the purposes of this study, a conservative internal capture rate of five percent was used. The internal capture reduction was applied to the Apartment and Shopping Center land uses to reflect the interactions between the shopping center and housing units in the northern portion of the site.

Pass-by trip reductions are typically considered to account for trips that will already be on the road and will likely stop as they pass by the site. Data published in ITE's Trip Generation Manual indicates that a Shopping Center land use has an average PM pass-by rate of 29 percent. No pass-by rate is provided for the AM peak hour because shopping centers are typically not open during the AM peak. No pass-by reductions are appropriate for a housing development. The Caltrans Guide for the Preparation of Traffic

[3] *Trip Generation Manual*, 9th Edition, Institute of Transportation Engineers, 2012.

[4] *Guide for the Preparation of Traffic Impact Studies*, Caltrans, December 2002.

Impact Studies accepts a maximum pass-by rate of 15 percent; therefore, a pass-by reduction of 15 percent was used for the Shopping Center in the PM peak.

Net trip generation for the two development scenarios for the proposed project are presented in **Table 3-1** and **Table 3-2**.

Table 3–1 Project Trip Generation for Development Scenario 1

Land Use	ITE Code	Size	Daily Trips	AM Peak Hour			PM Peak Hour		
				Total	In	Out	Total	In	Out
Apartment	220	258 units	1,688	130	26	104	160	104	56
Shopping Center	820	199.9 ksf	10,656	238	147	91	953	457	496
Single-Family Detached Housing	210	328 units	3,102	239	60	179	306	193	113
Subtotal Trips			*15,446*	*607*	*233*	*374*	*1,419*	*754*	*665*
Internal Trip Reduction[1]		5%	-617	-18	-8	-10	-56	-28	-28
Subtotal New Trips			***14,829***	***589***	***225***	***364***	***1,363***	***726***	***637***
Pass-By Trip Reduction[2]		15%					-143	-69	-74
Net New External Trips			*14,829*	*589*	*225*	*364*	*1,220*	*657*	*563*

Notes: ksf = thousand square feet
Source: *Trip Generation Manual, 9th Edition,* ITE.
1. Per Caltrans *Guide for the Preparation of traffic Impact Studies*. Applied to Daily/AM/PM trips for Apartment and Shopping Center uses.
2. Per Caltrans *Guide for the Preparation of traffic Impact Studies*. Applied to PM trips for Shopping Center land use only.

As shown in the table, under Development Scenario 1, the proposed project is expected to generate a net 14,829 new daily trips, with 589 trips (225 in, 364 out) in the morning peak hour, and 1,220 trips (657 in, 563 out) in the afternoon peak hour.

Table 3–2 Project Trip Generation for Development Scenario 2

Land Use	ITE Code	Size	Daily Trips	AM Peak Hour			PM Peak Hour		
				Total	In	Out	Total	In	Out
Apartment	220	258 units	1,688	130	26	104	160	104	56
Shopping Center	820	199.9 ksf	10,656	238	147	91	953	457	496
Single-Family Detached Housing	210	265 units	2,550	195	49	146	253	159	94
Elementary School	520	900 st	1,162	405	223	182	135	66	69
Subtotal Trips			*16,056*	*968*	*445*	*523*	*1,501*	*786*	*715*
Internal Trip Reduction[1]		5%	-617	-18	-8	-10	-56	-28	-28
Subtotal New Trips			***15,439***	***950***	***437***	***513***	***1,445***	***758***	***687***
Pass-By Trip Reduction[2]		15%					-143	-69	-74
Net New External Trips			*15,439*	*950*	*437*	*513*	*1,302*	*689*	*613*

Notes: ksf = thousand square feet, st = students
Source: *Trip Generation Manual, 9th Edition,* ITE.
1. Per Caltrans *Guide for the Preparation of traffic Impact Studies*. Applied to Daily/AM/PM trips for Apartment and Shopping Center uses.
2. Per Caltrans *Guide for the Preparation of traffic Impact Studies*. Applied to PM trips for Shopping Center land use only.

As shown in the table, under Development Scenario 2, the proposed project is expected to generate a net 15,439 new daily trips, with 950 trips (437 in, 513 out) in the morning peak hour, and 1,302 trips (689 in, 613 out) in the afternoon peak hour.

3.2 PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

Project distribution was developed based on existing traffic count information, general orientation of population sources to the site, and information obtained from the CCTA travel forecast model. **Figure 3-1** presents the traffic distribution assumed under Existing Conditions. There are different distribution patterns for existing, opening year and cumulative conditions, as the surrounding area would experience changes in land use and roadway networks between existing and cumulative scenarios. Additional project distribution information is provided in **Appendix C**.

Based on the assumed trip distribution, new vehicle trips generated by the project were assigned to the street network. The project generated traffic volumes for the two development scenarios under Existing Conditions are shown in **Figure 3-2** and **Figure 3-3**. These figures represent total trips on the network, including pass-by and internal capture reductions.

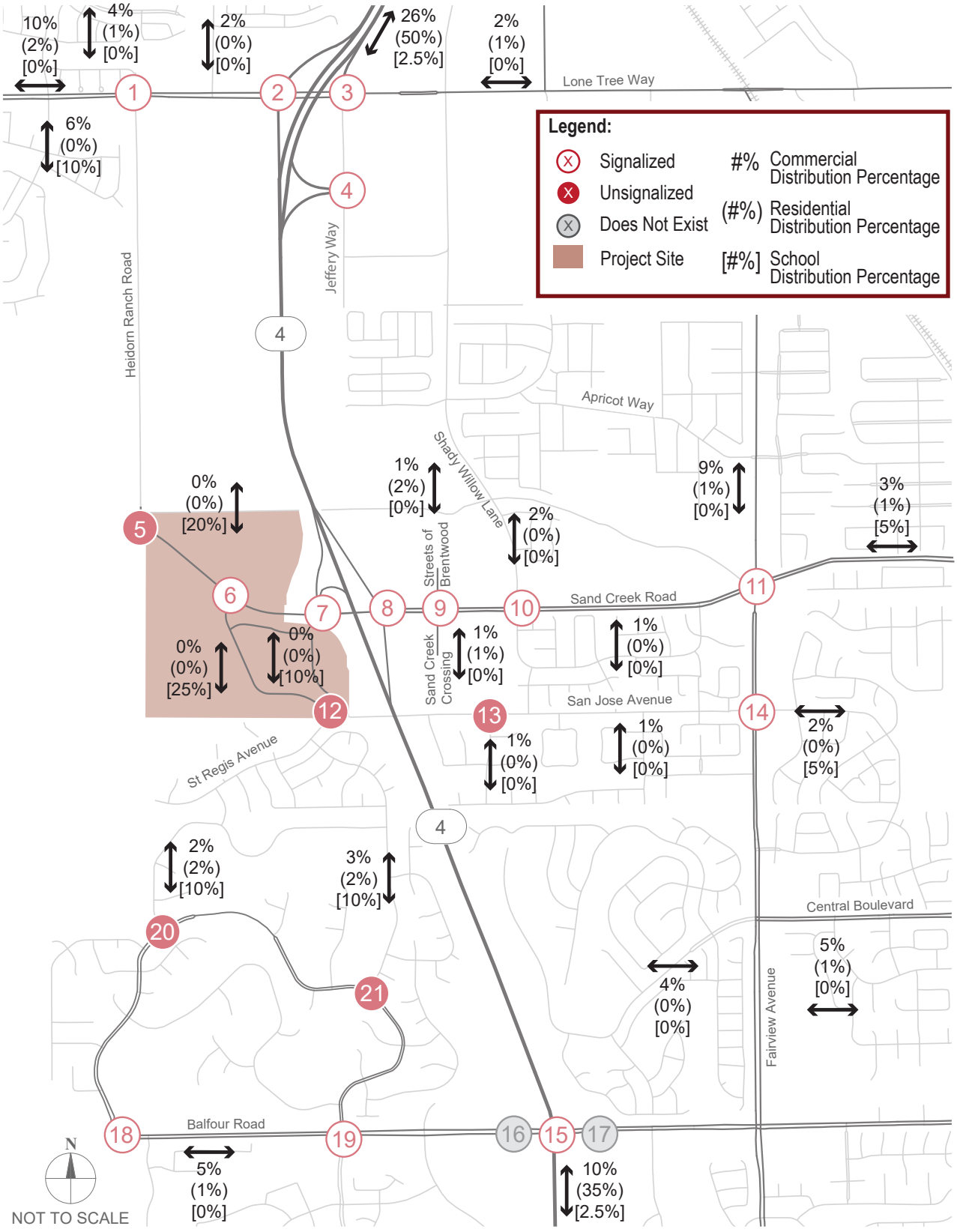
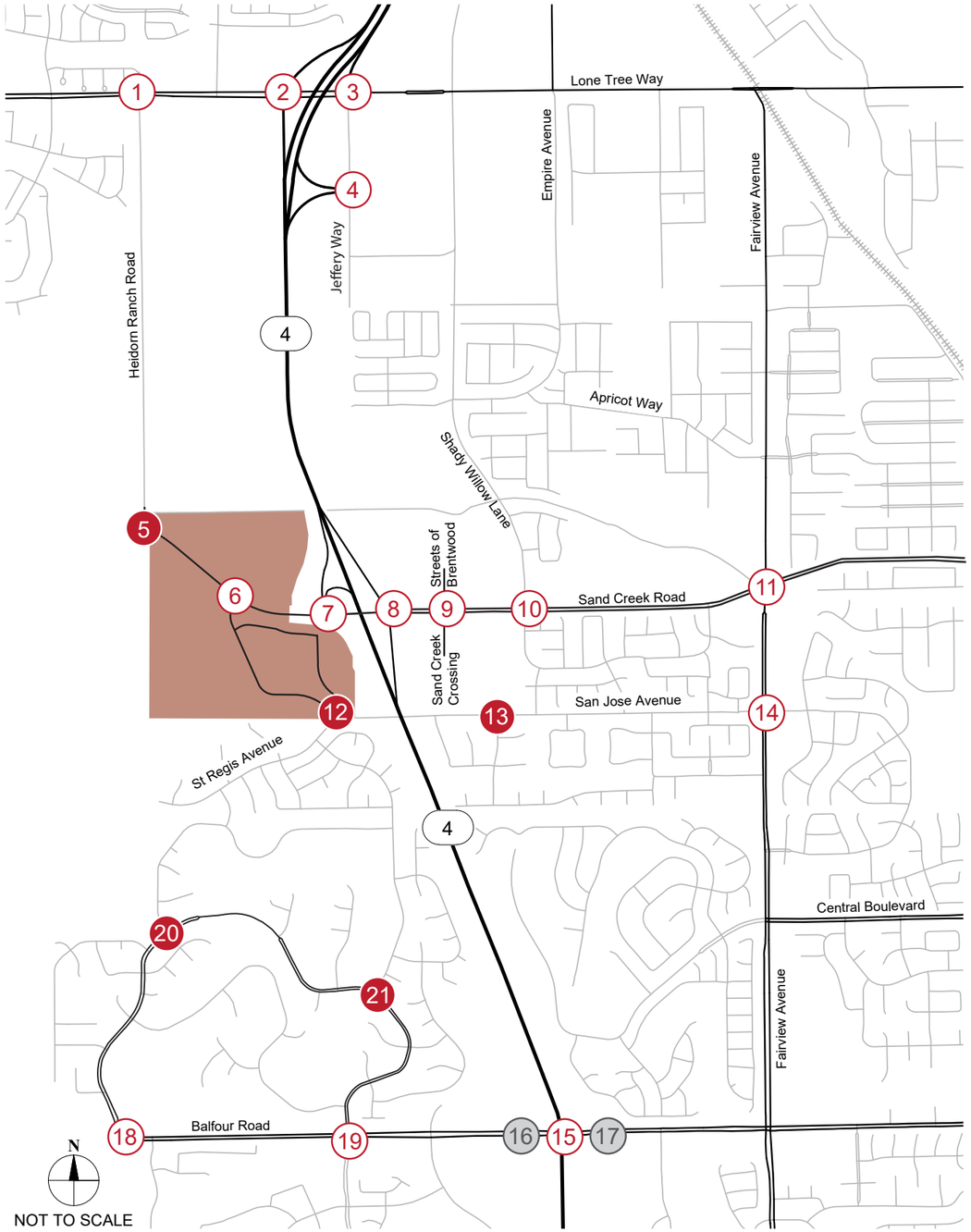


Figure 3-1
Project Trip Distribution (Existing)



1

	Fairside Way ⇦	17 / 45 ⇦ Lone Tree Way
17 / 46 ⇨ 14 / 37 ⇩	Heidorn Ranch Rd ⇩ ⇨	9 /40 ⇨

2

	SR-4 EB Off-Ramp ⇦	18 / 53 ⇦ 4 / 10 ⇖ Lone Tree Way
20 / 53 ⇩	SR-4 EB On-Ramp ⇩	

3

	SR-4 WB On-Ramp ⇦	4 / 10 ⇦ Lone Tree Way
	Jeffery Way ⇨ ⇩	18 /53 ⇨ 5 / 10 ⇩

4

	Jeffery Way ⇦	
SR-4 WB Ramps ⇨		

5

	14 /37 ⇩ Heidorn Ranch Rd ⇦	9 / 40 ⇦ Sand Creek Rd

6

	9 /40 ⇨ 28 /118 ⇦ 118 /355 ⇩ San Jose Ave	131 / 431 ⇦ 59 / 135 ⇖ Sand Creek Rd
14 / 37 ⇨		15 /40 ⇧ 145 /116 ⇦

7

	102 /304 ⇦ SR-4 SB Ramps	89 / 263 ⇧ Sand Creek Rd
85 / 120 ⇦ 177 / 352 ⇨		

8

	SR-4 NB On-Ramp ⇧	38 / 103 ⇧ Sand Creek Rd
144 / 249 ⇦ 35 / 103 ⇩	SR-4 NB Off-Ramp ⇩	51 / 160 ⇩

9

3 / 10 ⇦	Streets of Brentwood ⇧	34 / 90 ⇧ Sand Creek Rd
7 / 7 ⇨ 26 / 94 ⇩ 3 / 2 ⇦	Sand Creek Crossing ⇩ ⇦	1 / 3 ⇩

10

3 / 7 ⇦	Shady Willow Ln ⇧	30 / 79 ⇧ Sand Creek Rd
2 / 8 ⇨ 23 / 82 ⇩ 1 / 4 ⇦	Highland Way ⇩ ⇦	1 / 4 ⇩

11

14 / 36 ⇦	Fairview Ave ⇧	5 / 14 ⇧ Sand Creek Rd
11 / 38 ⇨ 6 / 14 ⇩ 6 / 28 ⇦		10 / 26 ⇩

12

42 / 25 ⇦ 25 / 7 ⇩ 3 / 2 ⇦	St. Regis Ave ⇩ ⇦	1 / 3 ⇦ 8 / 22 ⇧ San Jose Ave
13 / 44 ⇦ 5 / 24 ⇩ 60 / 20 ⇦		7 / 18 ⇩ 3 / 12 ⇨

13

	Dwy ⇧	8 / 21 ⇧ San Jose Ave
7 / 22 ⇦ 1 / 4 ⇩	Portofino Drive ⇩	1 / 4 ⇨

14

5 / 24 ⇦ 1 / 4 ⇩	Fairview Ave ⇩	1 / 4 ⇦ 1 / 4 ⇦ San Jose Ave
1 / 4 ⇨ 6 / 14 ⇩		5 / 14 ⇧ 8 / 22 ⇦

15

7 / 22 ⇦ 79 / 98 ⇩	SR-4 ⇩	Balfour Rd ⇧
50 / 21 ⇦ 28 / 0 ⇩		44 / 139 ⇧

16

Intersection does not exist under this scenario

17

Intersection does not exist under this scenario

18

1 / 4 ⇦ 42 / 0 ⇩	W Country Club Dr ⇩	8 / 26 ⇦ 28 / 0 ⇦ Balfour Rd
1 / 4 ⇨ 9 / 25 ⇩	American Ave ⇩	70 / 0 ⇧

19

29 / 4 ⇦	E Country Club Dr ⇧	7 / 22 ⇧ Balfour Rd
1 / 4 ⇨ 77 / 21 ⇩	Foothill Dr ⇩	

20

18 / 6 ⇦	Presidio Drive ⇧	28 / 0 ⇧ W Country Club Dr
2 / 7 ⇨		

21

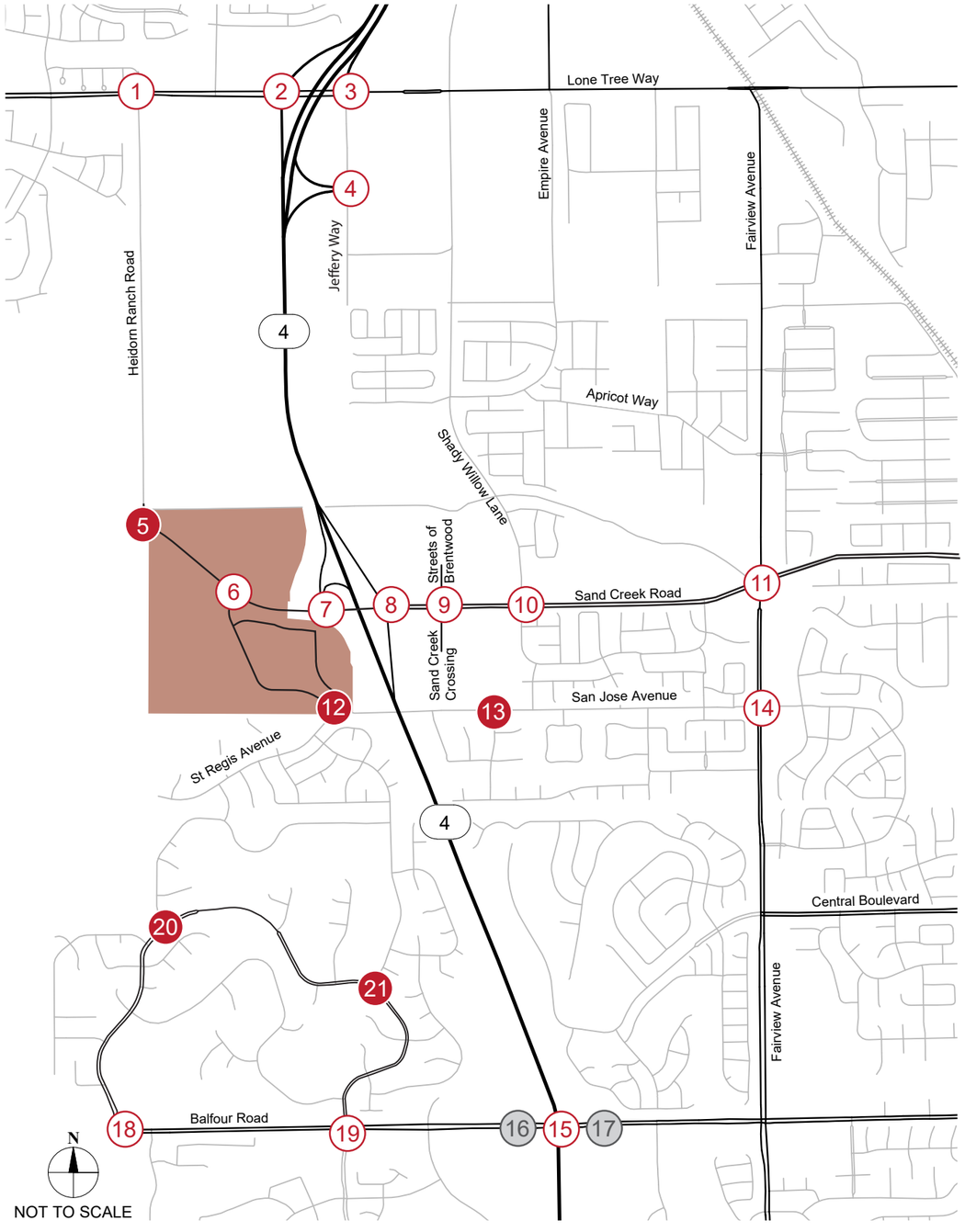
28 / 0 ⇦ 32 / 6 ⇩	Roundhill Dr ⇩	2 / 7 ⇩ E Country Club Dr

Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 3-2
Total Project Generated Traffic Volumes for Development Scenario 1 (Existing Conditions)



1

	Fairside Way ⇧	16 / 44 ⇧ Lone Tree Way
16 / 45 ⇩ 14 / 37 ⇧	Heidorn Ranch Rd ⇩ ⇧	9 / 40 ⇩ ⇧

2

	SR-4 EB Off-Ramp ⇧	17 / 52 ⇧ 4 / 10 ⇧ Lone Tree Way
19 / 52 ⇧	SR-4 EB On-Ramp ⇧	

3

	SR-4 WB On-Ramp ⇧	4 / 10 ⇧ Lone Tree Way
	Jeffery Way ⇩ ⇧	17 / 52 ⇩ 4 / 9 ⇧

4

	Jeffery Way ⇧	
SR-4 WB Ramps ⇩	⇧	22 / 62 ⇧

5

36 / 44 ⇩	Heidorn Ranch Rd ⇧	27 / 47 ⇧ Sand Creek Rd

6

9 / 40 ⇩ 71 / 131 ⇩ 112 / 351 ⇧	San Jose Ave ⇩ ⇧	128 / 422 ⇧ 74 / 118 ⇧ Sand Creek Rd
14 / 37 ⇩ 22 / 7 ⇧	⇩ ⇧	18 / 7 ⇩ 51 / 54 ⇧ 145 / 109 ⇧

7

102 / 287 ⇩	SR-4 SB Ramps ⇩	101 / 254 ⇧ Sand Creek Rd
82 / 115 ⇩ 177 / 345 ⇩	⇩ ⇩	

8

	SR-4 NB On-Ramp ⇩	49 / 104 ⇧ Sand Creek Rd
136 / 240 ⇩ 42 / 105 ⇩	SR-4 NB Off-Ramp ⇩ ⇩	54 / 150 ⇩

9

2 / 9 ⇩	Streets of Brentwood ⇩	44 / 92 ⇧ Sand Creek Rd
6 / 7 ⇩ 34 / 97 ⇧ 2 / 1 ⇧	Sand Creek Crossing ⇩ ⇧ ⇧	1 / 3 ⇩

10

3 / 7 ⇩	Shady Willow Ln ⇩	40 / 81 ⇧ Sand Creek Rd
2 / 8 ⇩ 31 / 85 ⇧ 1 / 4 ⇧	Highland Way ⇩ ⇧ ⇧	1 / 4 ⇩

11

14 / 36 ⇩	Fairview Ave ⇩	9 / 15 ⇧ Sand Creek Rd
10 / 37 ⇩ 9 / 14 ⇧ 6 / 28 ⇧	⇩ ⇧ ⇧	10 / 26 ⇩

12

37 / 22 ⇩ 58 / 20 ⇩ 11 / 4 ⇧	St. Regis Ave ⇩ ⇩ ⇧	12 / 6 ⇩ 8 / 22 ⇧ San Jose Ave
11 / 39 ⇩ 5 / 24 ⇧ 53 / 20 ⇧	⇩ ⇧ ⇧	7 / 18 ⇩ 48 / 23 ⇧

13

	Dwy ⇧	19 / 24 ⇧ San Jose Ave
15 / 24 ⇩ 1 / 4 ⇧	Portofino Drive ⇩ ⇧	1 / 4 ⇩

14

5 / 24 ⇩ 1 / 4 ⇧	Fairview Ave ⇩ ⇧	1 / 4 ⇧ 5 / 5 ⇧ San Jose Ave
5 / 5 ⇩ 5 / 13 ⇧	⇩ ⇧	5 / 14 ⇩ 8 / 22 ⇧

15

6 / 21 ⇩ 75 / 93 ⇩	SR-4 ⇩ ⇩	Balfour Rd ⇧
45 / 21 ⇩ 25 / 0 ⇩	⇩ ⇩	46 / 129 ⇧

16

Intersection does not exist under this scenario

17

Intersection does not exist under this scenario

18

1 / 4 ⇩ 37 / 0 ⇩	W Country Club Dr ⇩ ⇩	7 / 25 ⇧ 25 / 0 ⇧ Balfour Rd
1 / 4 ⇩ 9 / 25 ⇧	American Ave ⇩ ⇧	61 / 0 ⇧

19

26 / 4 ⇩	E Country Club Dr ⇩	6 / 21 ⇧ Balfour Rd
1 / 4 ⇩ 69 / 21 ⇧	Foothill Dr ⇩ ⇧	

20

25 / 8 ⇩	Presidio Drive ⇩	25 / 0 ⇧ W Country Club Dr
13 / 10 ⇩	⇩	

21

25 / 0 ⇩ 37 / 8 ⇧	Roundhill Dr ⇩ ⇧	13 / 10 ⇩ E Country Club Dr

Legend:

- (X) Signalized
- X Unsignalized
- (X) Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- --- Project Road
- Project Site

NOT TO SCALE

Figure 3-3

Total Project Generated Traffic Volumes for Development Scenario 2 (Existing Conditions)

3.3 PLANNED ROADWAY PROJECTS IN VICINITY OF SITE

As part of the proposed project, Sand Creek Road will be extended to the west and connect with Heidorn Ranch Road, and San Jose Avenue will be extended west and new intersections will be created within the project site. The planned project improvements are illustrated in the site plan shown in **Figure 1-2**.

Figure 3-4 illustrates the intersection geometry and traffic control assumed under Existing plus Project Conditions.

3.4 EXISTING PLUS PROJECT LOS AT STUDY INTERSECTIONS

Existing plus Project Conditions peak hour volumes were evaluated at the study intersections under both development scenarios and are presented in **Figure 3-5** and **Figure 3-6**. Results of the analysis are presented in **Table 3-3**. Locations operating unacceptably are bolded. As shown in the table, the following intersections would operate below acceptable LOS under Existing plus Project Conditions:

Development Scenario 1

- #14 – Fairview Avenue at San Jose Avenue
    - AM (Increased delay, LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #15 – SR-4 and Balfour Road
    - PM (Increased delay, LOS F) Peak – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
    - AM (Increased delay, LOS F) – Significant Impact

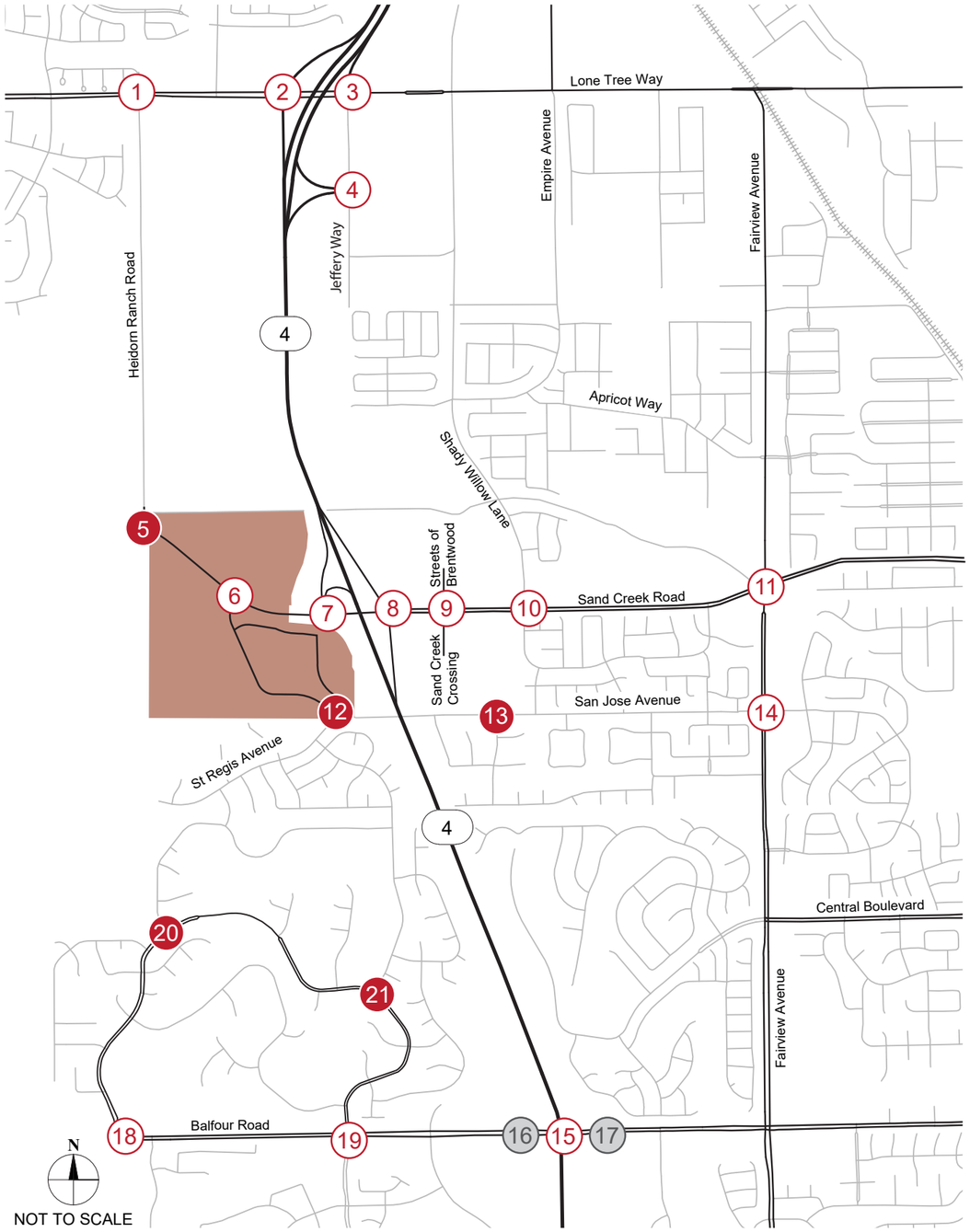
Development Scenario 2

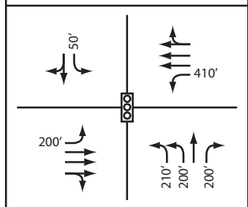
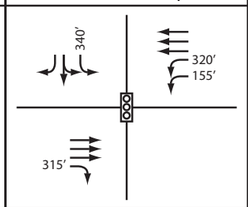
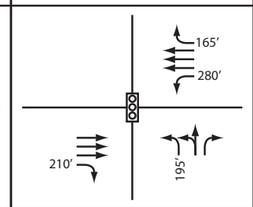
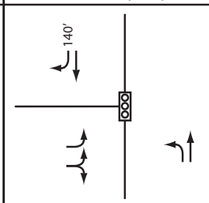
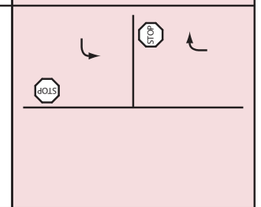
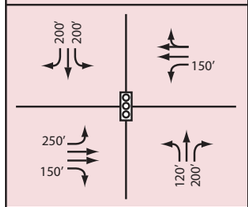
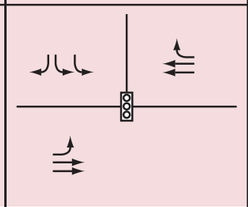
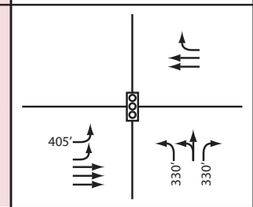
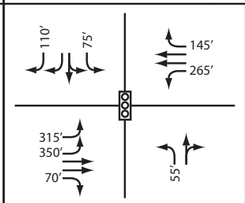
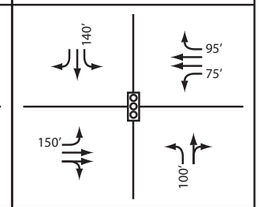
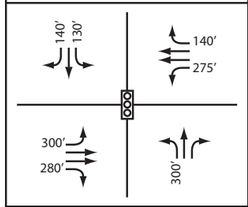
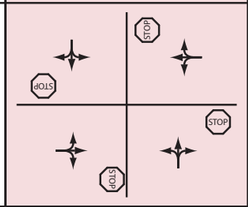
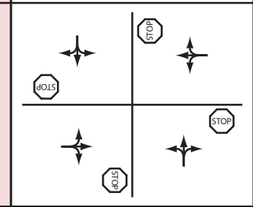
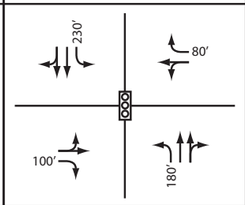
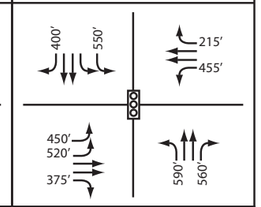
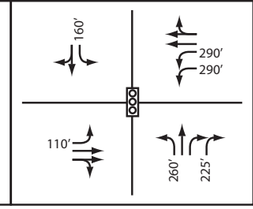
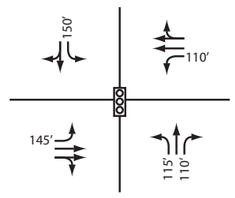
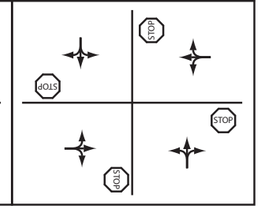
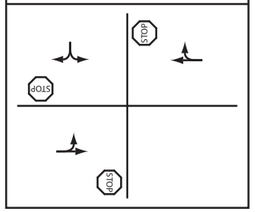
- #14 – Fairview Avenue at San Jose Avenue
    - AM (Increased delay, LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #15 – SR-4 and Balfour Road
    - PM (Increased delay, LOS F) Peak – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
    - AM (Increased delay, LOS F) – Significant Impact

Intersections #2 and #8 show a small decrease in delay with the addition of the proposed project during the AM peak hour. These intersections are freeway ramps and the proposed project adds traffic primarily to movements with a lower delay than other movements, this brings the average intersection delay down as a result of the increase volume. Intersection #18 also shows a small decrease in delay with the addition of the proposed project during the PM peak hour. At this intersection, the proposed project adds traffic primarily to Balfour Road through movements which have a lower delay than other movements, bringing the average intersection delay down as a result of the increase volume. Analysis sheets are provided in the **Appendix E**.

3.5 EXISTING PLUS PROJECT FREEWAY ANALYSIS

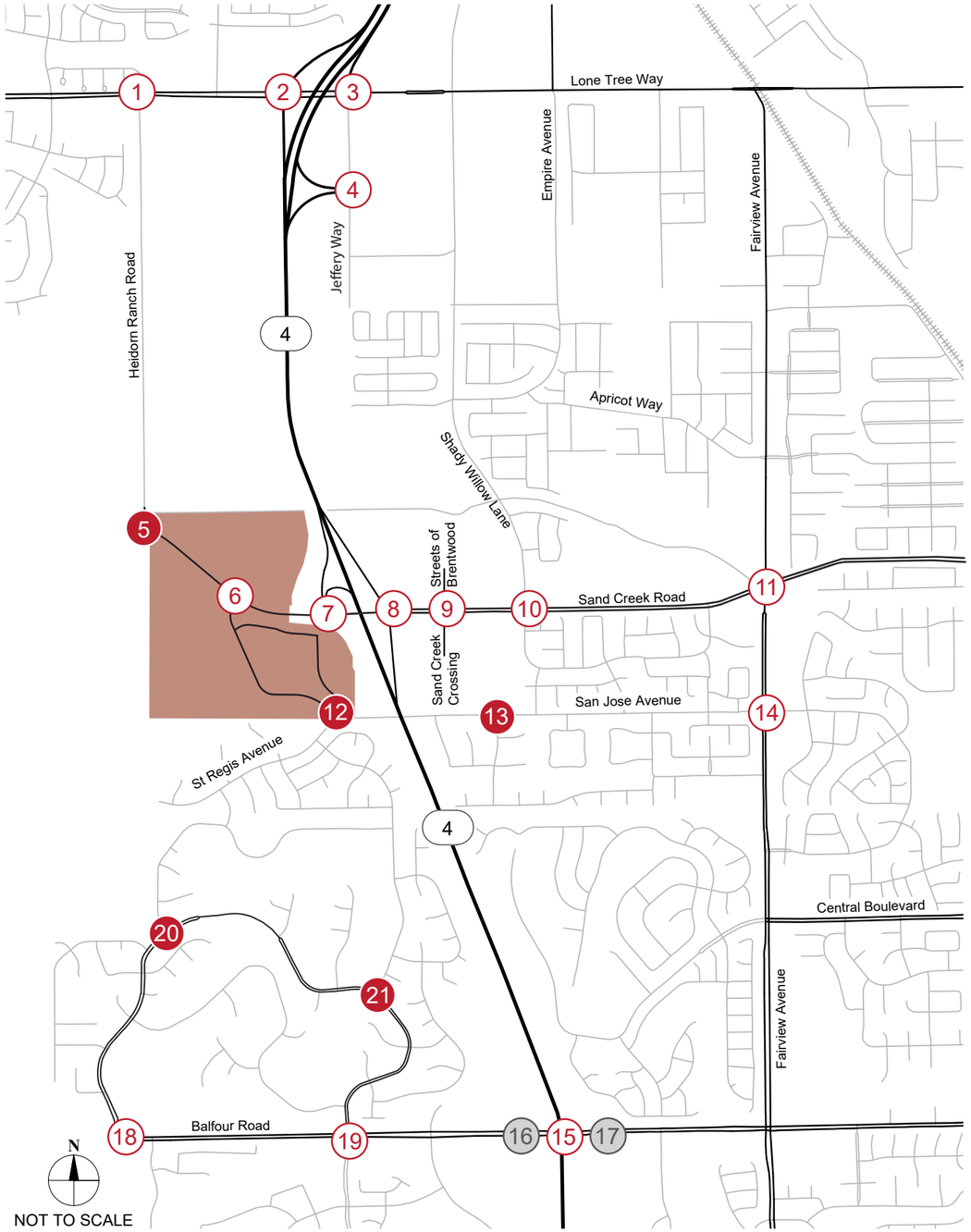
Traffic operations were evaluated at SR-4 under Existing plus Project Conditions. Results of the analysis are presented in **Table 3-4**. As shown in the Table, SR-4 between Lone Tree Way and Balfour Road would function within acceptable standards under Existing plus Project Conditions. Analysis sheets are provided in the **Appendix E.**



1. Lone Tree Wy/ Heidorn Ranch Rd/Fairside Wy	2. Lone Tree Wy/ SR-4 EB Ramps	3. Lone Tree Wy/ Jeffery Wy/SR-4 WB On-Ramp	4. SR-4 WB Ramps/ Jeffery Wy	5. Sand Creek Rd/ Heidorn Ranch Rd
				
6. Sand Creek Rd/ San Jose Ave	7. Sand Creek Rd/ SR-4 EB Ramps	8. Sand Creek Rd/ SR-4 WB Ramps	9. Sand Creek Rd/ Sand Creek Crossing	10. Sand Creek Rd/ Shady Willow Ln/Highland Wy
				
11. Sand Creek Rd/ Fairview Ave	12. San Jose Ave/ St. Regis Ave/Rose Wood Dr	13. San Jose Ave/ Portofino Dr	14. San Jose Ave/ Fairview Ave	15. Balfour Rd/ SR-4
				
16. Balfour Rd/ SR-4 EB Ramps	17. Balfour Rd/ SR-4 WB Ramps	18. Balfour Rd/ American Ave/W Country Club Dr	19. Balfour Rd/ Foothill Dr/E Country Club Dr	20. W Country Club Dr/ Presidio Dr
Intersection does not exist under this scenario	Intersection does not exist under this scenario			
21. E Country Club Dr/ Roundhill Dr				
				

Legend:
- Signalized
- Unsignalized
- Does Not Exist
- XX′ Storage Length
- Project Site

Figure 3-4
Existing Plus Project Lane Geometry and Traffic Control



1

	Fairside Way	
5 / 3		19 / 24
6 / 1		1106 / 1179
19 / 24		38 / 34
		Lone Tree Way
3 / 16	Heidorn Ranch Rd	59 / 168
912 / 1333		2 / 4
79 / 145		41 / 77

2

	SR-4 EB Off-Ramp	
594 / 623		1125 / 1370
3 / 0		85 / 125
347 / 611		Lone Tree Way
959 / 1532	SR-4 EB On-Ramp	
447 / 585		

3

	SR-4 WB On-Ramp	
		471 / 476
		770 / 945
		19 / 10
		Lone Tree Way
1021 / 1726	Jeffery Way	448 / 568
285 / 408		25 / 35
		161 / 221

4

271 / 396		
4 / 3		Jeffery Way
SR-4 WB Ramps		
601 / 768		
34 / 16		
		1 / 1
		3 / 3

5

14 / 37	Heidorn Ranch Rd	9 / 40
		Sand Creek Rd

6

9 / 40		131 / 431
28 / 118	San Jose Ave	59 / 135
118 / 355		Sand Creek Rd
14 / 37		15 / 40
		145 / 116

7

102 / 304		77 / 81
856 / 1428	SR-4 SB Ramps	89 / 263
		Sand Creek Rd
85 / 120		
177 / 352		

8

	SR-4 NB On-Ramp	866 / 871
		125 / 170
		Sand Creek Rd
148 / 257		
872 / 1535	SR-4 NB Off-Ramp	52 / 160
		1 / 0
		100 / 135

9

69 / 186		87 / 123
20 / 59	Streets of Brentwood	772 / 659
45 / 102		42 / 107
		Sand Creek Rd
91 / 265	Sand Creek Crossing	146 / 177
756 / 1134		36 / 52
121 / 264		36 / 89

10

83 / 105		141 / 134
89 / 105	Shady Willow Ln	790 / 802
152 / 200		22 / 20
		Sand Creek Rd
83 / 147	Highland Way	85 / 48
719 / 1234		71 / 78
56 / 71		19 / 7

11

53 / 70		56 / 76
320 / 324	Fairview Ave	639 / 598
83 / 130		183 / 131
		Sand Creek Rd
32 / 122		349 / 321
637 / 854		269 / 282
244 / 455		204 / 149

12

42 / 25		1 / 3
25 / 7	Rose Wood Dr	8 / 22
3 / 2		432 / 344
		San Jose Ave
13 / 44	St. Regis Ave	7 / 18
5 / 24		3 / 12
60 / 20		288 / 275

13

28 / 0		1 / 11
2 / 3	Dwy	397 / 300
78 / 6		15 / 39
		San Jose Ave
0 / 3	Portofino Drive	35 / 9
366 / 235		
8 / 10		24 / 12

14

126 / 79		92 / 72
566 / 703	Fairview Ave	82 / 20
55 / 96		48 / 17
		San Jose Ave
136 / 92		156 / 184
53 / 26		562 / 550
177 / 163		18 / 38

15

396 / 109		455 / 161
753 / 992	SR-4	807 / 635
282 / 185		77 / 447
		Balfour Rd
564 / 54		155 / 440
701 / 563		691 / 749
295 / 390		36 / 309

16

Intersection does not exist under this scenario

17

Intersection does not exist under this scenario

18

7 / 23		91 / 97
513 / 103	W Country Club Dr	426 / 261
71 / 98		819 / 212
		Balfour Rd
14 / 45	American Ave	123 / 30
227 / 383		213 / 90
354 / 25		798 / 192

19

281 / 27		49 / 144
114 / 45	E Country Club Dr	923 / 539
189 / 95		44 / 119
		Balfour Rd
54 / 25	Foothill Dr	210 / 35
936 / 605		87 / 26
121 / 48		81 / 58

20

288 / 160		5 / 5
11 / 10	Presidio Drive	57 / 21
9 / 3		4 / 1
		W Country Club Dr
98 / 142		3 / 3
23 / 30		5 / 7
		3 / 2

21

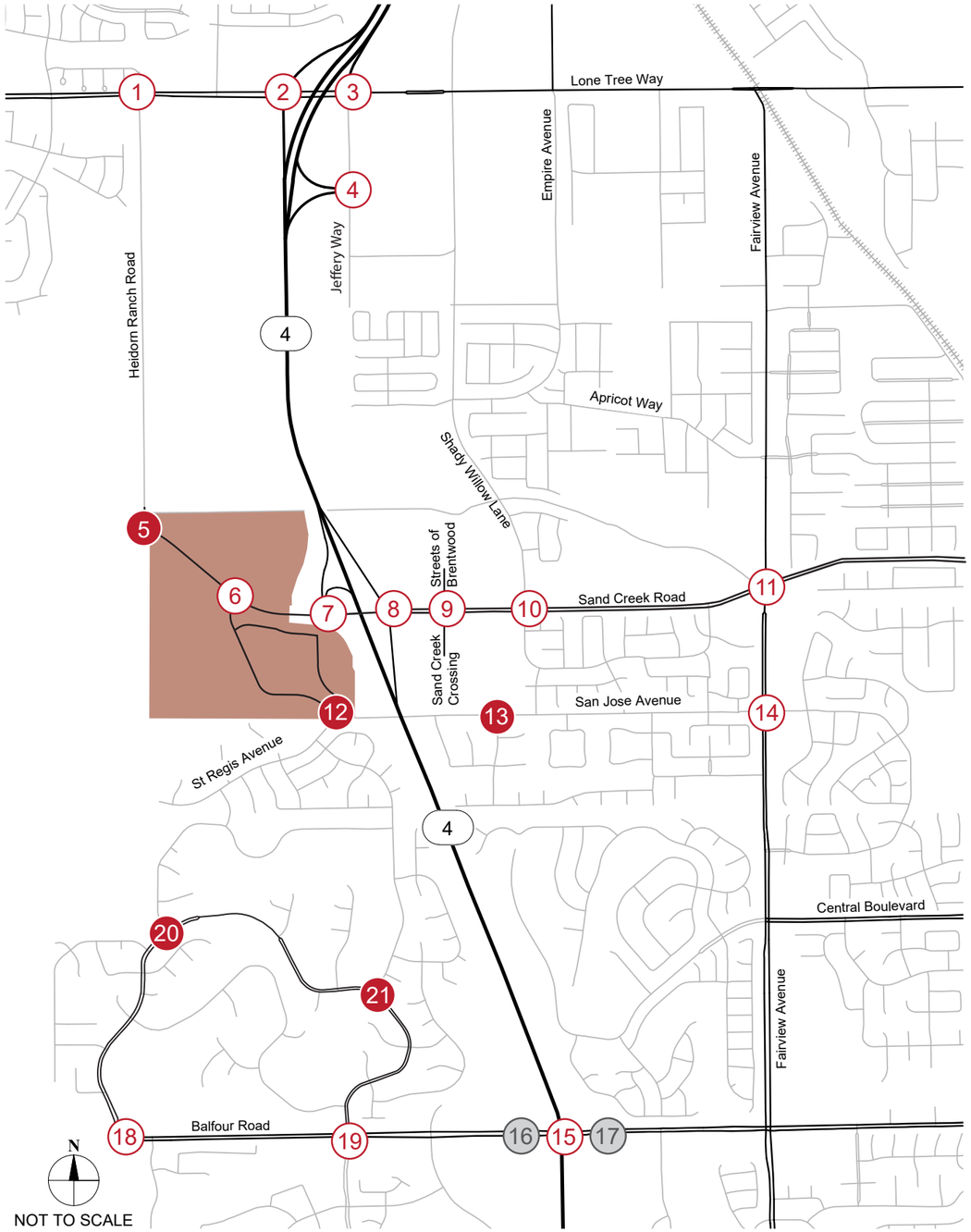
40 / 20		104 / 99
167 / 97	Roundhill Dr	31 / 32
		E Country Club Dr
21 / 27		
71 / 24		

Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 3-5
Existing Plus Project Traffic Volumes for Development Scenario 1



1

	Fairside Way	
5 / 3		19 / 24
6 / 1		1105 / 1178
19 / 24		38 / 34
		Lone Tree Way
3 / 16	Heidorn Ranch Rd	59 / 168
911 / 1332		2 / 4
79 / 145		41 / 77

2

	SR-4 EB Off-Ramp	
594 /623		1124 / 1369
3 /0		85 / 125
347 /611		Lone Tree Way
959 / 1532	SR-4 EB On-Ramp	
446 / 584		

3

	SR-4 WB On-Ramp	
		471 / 476
		770 / 945
		19 / 10
		Lone Tree Way
1021 / 1726	Jeffery Way	447 /567
285 / 408		25 /35
		160 /220

4

271 /396	Jeffery Way	
4 /3		
SR-4 WB Ramps		
600 / 767		
34 / 16		
1 /1		
3 /3		

5

	Heidorn Ranch Rd	27 / 47
36 /44		Sand Creek Rd

6

9 /40	San Jose Ave	128 / 422
71 /131		74 / 118
112 /351		Sand Creek Rd
14 / 37		18 /7
22 / 7		51 /54
		145 /109

7

102 /287	SR-4 SB Ramps	77 / 81
856 /1428		101 / 254
		Sand Creek Rd
82 / 115		
177 / 345		

8

	SR-4 NB On-Ramp	866 / 871
		136 / 171
		Sand Creek Rd
140 / 248	SR-4 NB Off-Ramp	55 /150
879 / 1537		1 /0
		100 /135

9

68 /185	Streets of Brentwood	87 / 123
20 /59		782 / 661
45 /102		42 / 107
		Sand Creek Rd
90 / 265	Sand Creek Crossing	146 /177
764 / 1137		36 /52
120 / 263		36 /89

10

83 /105	Shady Willow Ln	141 / 134
89 /105		800 / 804
152 /200		22 / 20
		Sand Creek Rd
83 / 147	Highland Way	85 /48
727 / 1237		71 /78
56 / 71		19 /7

11

53 /70	Fairview Ave	56 / 76
320 /324		643 / 599
83 /130		183 / 131
		Sand Creek Rd
31 / 121		349 /321
640 / 854		269 /282
244 / 455		204 /149

12

37 /22	Rose Wood Dr	12 / 6
58 /20		8 / 22
11 /4		432 / 344
		San Jose Ave
11 / 39	St. Regis Ave	7 /18
5 / 24		48 /23
53 / 20		288 /275

13

28 /0	Dwy	1 / 11
2 /3		408 / 303
78 /6		15 / 39
		San Jose Ave
0 / 3	Portofino Drive	
374 / 237		35 / 9
8 / 10		24 / 12

14

126 /79	Fairview Ave	92 / 72
566 /703		86 / 21
55 /96		48 / 17
		San Jose Ave
136 / 92		156 /184
57 / 27		562 /550
176 / 162		18 /38

15

395 /108	SR-4	455 / 161
749 /987		807 / 635
282 /185		77 / 447
		Balfour Rd
559 / 54		155 /440
701 /563		693 /739
292 / 390		36 /309

16

Intersection does not exist under this scenario

17

Intersection does not exist under this scenario

18

7 / 23	W Country Club Dr	91 / 97
508 /103		425 /260
71 /98		816 /212
		Balfour Rd
14 / 45	American Ave	123 /30
227 / 383		213 /90
354 / 25		789 /192

19

278 /27	E Country Club Dr	49 / 144
114 /45		922 / 538
189 /95		44 / 119
		Balfour Rd
54 / 25	Foothill Dr	210 /35
928 / 605		87 /26
121 / 48		81 /58

20

295 /162	Presidio Drive	5 / 5
11 /10		54 / 21
9 /3		4 /1
		W Country Club Dr
109 / 145		3 /3
23 / 30		5 /7
		3 /2

21

37 / 20	Roundhill Dr	115 / 102
172 / 99		31 / 32
		E Country Club Dr
21 / 27		
71 / 24		

Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 3-6

Existing Plus Project Traffic Volumes for Development Scenario 2

Table 3–3 Existing plus Project Intersection LOS Summary

#	Intersection	Traffic Control	Peak Hour	Baseline		Plus Project (Scenario 1)			Plus Project (Scenario 2)		
				Delay (a)	LOS	Delay (a)	LOS	Δ (b)	Delay (a)	LOS	Δ (b)
1	Lone Tree Way / Heidorn Ranch Road/Fairside Way	Signal	AM	10.9	B	11.0	B	0.1	11.0	B	0.1
			PM	12.5	B	13.2	B	0.7	13.2	B	0.7
2	Lone Tree Way / SR-4 SB Ramps	Signal	AM	43.2	D	43.1	D	-0.1	43.0	D	-0.2
			PM	35.1	D	35.3	D	0.2	35.3	D	0.2
3	Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp	Signal	AM	19.8	B	20.0	C	0.2	20.1	C	0.3
			PM	13.4	B	14.4	B	1.0	14.3	B	0.9
4	Jeffrey Way / SR-4 NB Ramps	Signal	AM	10.6	B	10.6	B	0.0	10.6	B	0.0
			PM	13.0	B	13.4	B	0.4	13.4	B	0.4
5	Sand Creek Road / Heidorn Ranch Road (Future	SSSC	AM	*Intersection does not exist in this scenario*		7.4	A	-	7.5	A	-
			PM			7.5	A		7.5	A	
6	Sand Creek Road / San Jose Avenue (Future)	Signal	AM	*Intersection does not exist in this scenario*		8.1	A	-	7.2	A	-
			PM			14.9	B		14.4	B	
7	Sand Creek Road / SR-4 SB Ramps	Signal	AM	3.5	A	4.5	A	1.0	4.6	A	1.1
			PM	3.6	A	4.3	A	0.7	4.3	A	0.7
8	Sand Creek Road / SR-4 NB Ramps	Signal	AM	16.7	B	10.4	B	-6.3	10.7	B	-6.0
			PM	9.7	A	11.9	B	2.2	11.8	B	2.1
9	Sand Creek Road / Sand Creek Crossing/Streets of Brentwood	Signal	AM	16.7	B	16.8	B	0.1	16.9	B	0.2
			PM	23.7	C	24.4	C	0.7	24.4	C	0.7
10	Sand Creek Road / Shady Willow Lane/Highland Way	Signal	AM	16.8	B	17.0	B	0.2	17.0	B	0.2
			PM	20.8	C	22.7	C	1.9	22.8	C	2.0
11	Sand Creek Road / Fairview Avenue	Signal	AM	52.1	D	53.6	D	1.5	53.7	D	1.6
			PM	42.3	D	47.3	D	5.0	47.3	D	5.0
12	San Jose Avenue / St. Regis Avenue	SSSC	AM	0.0	A	14.7	B	14.7	18.6	C	18.6
			PM	0.0	A	12.0	B	12.0	12.4	B	12.4
13	San Jose Avenue / Portofino Drive	SSSC	AM	15.3	C	15.8	C	0.5	16.5	C	1.2
			PM	9.8	A	10.4	B	0.6	10.4	B	0.6

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(a) Delay is measured in seconds.

(b) Change in delay due to the addition of project traffic

Table 3–3 Existing plus Project Intersection LOS Summary (Cont.)

#	Intersection	Traffic Control	Peak Hour	Baseline		Plus Project (Scenario 1)			Plus Project (Scenario 2)		
				Delay (a)	LOS	Delay (a)	LOS	Δ (b)	Delay (a)	LOS	Δ (b)
14	San Jose Avenue/ Fairview Avenue	Signal	AM	65.8	**E**	68.8	**E**	3.0	69.0	**E**	3.2
			PM	56.4	**E**	63.7	**E**	7.3	63.7	**E**	7.3
15	Balfour Road / SR-4	Signal	AM	41.9	D	43.7	D	1.8	45.7	D	3.8
			PM	107.2	**F**	114.1	**F**	6.9	113.8	**F**	6.6
16	Balfour Road / SR-4 SB Ramps (Future)	Signal	AM	*Intersection does not exist in this scenario*		*Intersection does not exist in this scenario*			*Intersection does not exist in this scenario*		
			PM								
17	Balfour Road / SR-4 NB Ramps (Future)	Signal	AM	*Intersection does not exist in this scenario*		*Intersection does not exist in this scenario*			*Intersection does not exist in this scenario*		
			PM								
18	Balfour Road / American Avenue / West Country Club Drive	Signal	AM	75.8	**E**	80.4	**F**	4.6	88.3	**F**	12.5
			PM	15.4	B	15.3	B	-0.1	15.3	B	-0.1
19	Balfour Road / Foothill Drive / E Country Club Drive	Signal	AM	30.5	C	32.9	C	2.4	37.1	D	6.6
			PM	14.6	B	14.6	B	0.0	14.6	B	0.0
20	West Country Club / Presidio Drive	AWSC	AM	11.5	B	12.0	B	0.5	13.2	B	1.7
			PM	8.5	A	8.6	A	0.1	8.7	A	0.2
21	East Country Club / Roundhill Drive	AWSC	AM	8.8	A	9.1	A	0.3	9.7	A	0.9
			PM	7.8	A	7.8	A	0.0	7.9	A	0.1

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(a) Delay is measured in seconds.

(b) Change in delay due to the addition of project traffic

Table 3–4 Existing plus Project Routes of Regional Significance Travel Time Summary

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak					
SR-4					
North of Lone Tree Way (Basic)	NB	Baseline	11.4	11.4	1.00
		With Scenario 1	11.4	11.4	1.00
		With Scenario 2	11.4	11.4	1.00
	SB	Baseline	14.8	14.8	1.00
		With Scenario 1	14.8	14.8	1.00
		With Scenario 2	14.8	14.8	1.00
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.7	17.0	1.10
		With Scenario 1	18.7	17.0	1.10
		With Scenario 2	18.8	17.0	1.10
	SB	Baseline	19.7	17.0	1.16
		With Scenario 1	19.7	17.0	1.16
		With Scenario 2	19.7	17.0	1.16
Jeffery Way NB On-Ramp (Merge)	NB	Baseline	18.5	17.0	1.09
		With Scenario 1	18.5	17.0	1.09
		With Scenario 2	18.6	17.0	1.09
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.5	17.0	1.15
		With Scenario 1	19.5	17.0	1.15
		With Scenario 2	19.5	17.0	1.15
	SB	Baseline	18.5	17.0	1.09
		With Scenario 1	18.6	17.0	1.09
		With Scenario 2	18.6	17.0	1.09
Lone Tree Way to Sand Creek Road (Basic)	NB	Baseline	3.4	3.4	1.00
		With Scenario 1	3.4	3.4	1.00
		With Scenario 2	3.4	3.4	1.00
	SB	Baseline	9.7	9.7	1.00
		With Scenario 1	9.7	9.7	1.00
		With Scenario 2	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.8	17.0	1.10
		With Scenario 1	18.7	17.0	1.10
		With Scenario 2	18.9	17.0	1.11
	SB	Baseline	19.7	17.0	1.15
		With Scenario 1	19.7	17.0	1.16
		With Scenario 2	19.7	17.0	1.16
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.2	17.0	1.13
		With Scenario 1	19.2	17.0	1.13
		With Scenario 2	19.2	17.0	1.13
	SB	Baseline	18.3	17.0	1.07
		With Scenario 1	18.3	17.0	1.07
		With Scenario 2	18.3	17.0	1.07
Sand Creek Road to Balfour Road (Basic)	NB	Baseline	31.8	31.8	1.00
		With Scenario 1	31.8	31.8	1.00
		With Scenario 2	31.8	31.8	1.00
	SB	Baseline	30.1	30.1	1.00
		With Scenario 1	30.1	30.1	1.00
		With Scenario 2	30.1	30.1	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5. **Bold and shaded** indicates significant project impact.

(a) Travel Time and Free-Flow Time are measured in seconds
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 3-4 Existing plus Project Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
PM Peak					
SR-4					
North of Lone Tree Way (Basic)	NB	Baseline	11.4	11.4	1.00
		With Scenario 1	11.4	11.4	1.00
		With Scenario 2	11.4	11.4	1.00
	SB	Baseline	14.8	14.8	1.00
		With Scenario 1	14.9	14.8	1.01
		With Scenario 2	14.9	14.8	1.01
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.7	17.0	1.10
		With Scenario 1	18.6	17.0	1.09
		With Scenario 2	18.6	17.0	1.09
	SB	Baseline	19.7	17.0	1.16
		With Scenario 1	19.9	17.0	1.17
		With Scenario 2	19.9	17.0	1.17
Jeffery Way NB On-Ramp (Merge)	NB	Baseline	18.5	17.0	1.09
		With Scenario 1	18.4	17.0	1.08
		With Scenario 2	18.4	17.0	1.08
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.5	17.0	1.15
		With Scenario 1	19.6	17.0	1.15
		With Scenario 2	19.6	17.0	1.15
	SB	Baseline	18.5	17.0	1.09
		With Scenario 1	18.8	17.0	1.10
		With Scenario 2	18.8	17.0	1.10
Lone Tree Way to Sand Creek Road (Basic)	NB	Baseline	3.4	3.4	1.00
		With Scenario 1	3.4	3.4	1.00
		With Scenario 2	3.4	3.4	1.00
	SB	Baseline	9.7	9.7	1.00
		With Scenario 1	9.7	9.7	1.00
		With Scenario 2	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.8	17.0	1.10
		With Scenario 1	18.7	17.0	1.10
		With Scenario 2	18.7	17.0	1.10
	SB	Baseline	19.7	17.0	1.15
		With Scenario 1	20.3	17.0	1.19
		With Scenario 2	20.2	17.0	1.19
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.2	17.0	1.13
		With Scenario 1	19.3	17.0	1.13
		With Scenario 2	19.3	17.0	1.13
	SB	Baseline	18.3	17.0	1.07
		With Scenario 1	18.3	17.0	1.07
		With Scenario 2	18.3	17.0	1.07
Sand Creek Road to Balfour Road (Basic)	NB	Baseline	31.8	31.8	1.00
		With Scenario 1	31.8	31.8	1.00
		With Scenario 2	31.8	31.8	1.00
	SB	Baseline	30.1	30.1	1.00
		With Scenario 1	30.1	30.1	1.00
		With Scenario 2	30.1	30.1	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

4 EXISTING PLUS APPROVED PROJECTS

Existing plus Approved Projects Conditions were estimated by adding the volumes associated with the approved projects identified by the local jurisdictions to the existing traffic counts.

4.1 PLANNED ROADWAY PROJECTS IN VICINITY OF SITE

Existing plus Approved Projects Conditions includes the new grade-separated Balfour Road and SR-4 interchange. The project will replace the existing signalized, at-grade intersection at Balfour Road and SR-4 with a full access controlled, grade-separated interchange. SR-4 will be raised to cross over Balfour Road, creating a new undercrossing for Balfour Road. No other roadway network changes are assumed to take place under this scenario. **Figure 4-1** illustrates the intersection geometry and traffic control assumed under Existing plus Approved Projects Conditions.

4.2 APPROVED AND PENDING DEVELOPMENT PROJECTS IN VICINITY OF SITE

Approved but not yet built project lists for the City of Brentwood, City of Antioch, and City of Oakley were obtained from each respective city's website. Each list provided information on land uses, project size, and date of completion. The information provided was used to estimate traffic on the roadway network for Existing Plus Approved Projects conditions. The resulting traffic from approved projects is illustrated in **Figure 4-2**. The lists of projects provided by each jurisdiction and other approved project information is provided in **Appendix F.**

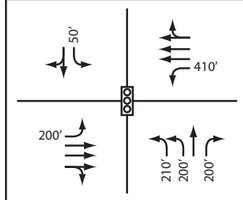
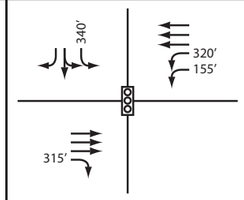
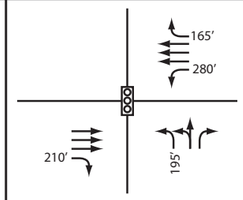
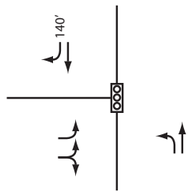
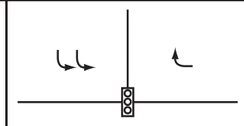
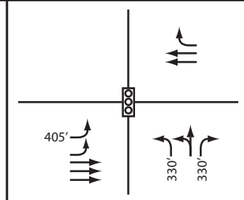
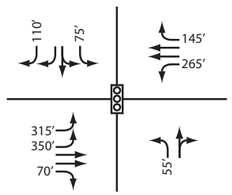
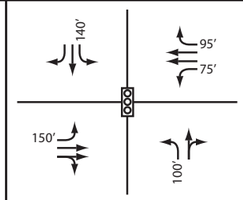
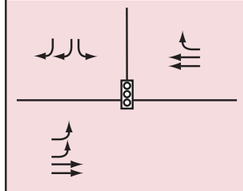
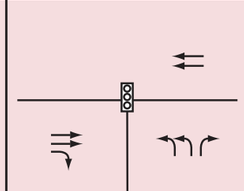
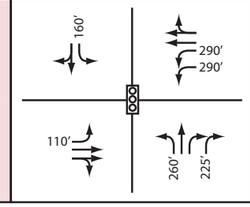
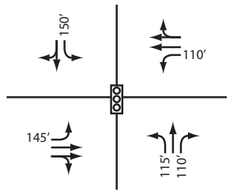
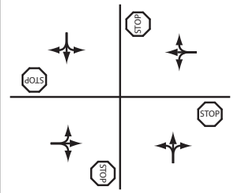
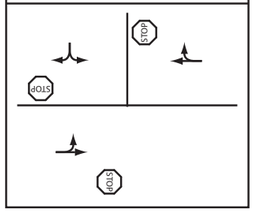
4.3 EXISTING PLUS APPROVED PROJECTS INTERSECTION LOS

Existing plus Approved Projects volumes were evaluated at the study intersections and are presented in **Figure 4-3**. Results are presented in **Table 4-1**. As shown in the table, the following intersections would operate below acceptable LOS under Existing plus Approved Projects Conditions:

- #2 – SR-4 SB Ramps @ Lone Tree Way
  - AM (LOS E) and PM (LOS F) Peaks
- #11 – Fairview Avenue at Sand Creek Road
  - AM (LOS E) Peak
- #14 – Fairview Avenue at San Jose Avenue
  - AM (LOS E) Peak
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (LOS E) Peak

The intersections listed above would operate below acceptable thresholds regardless of the proposed project. Analysis sheets are provided in the **Appendix G.**

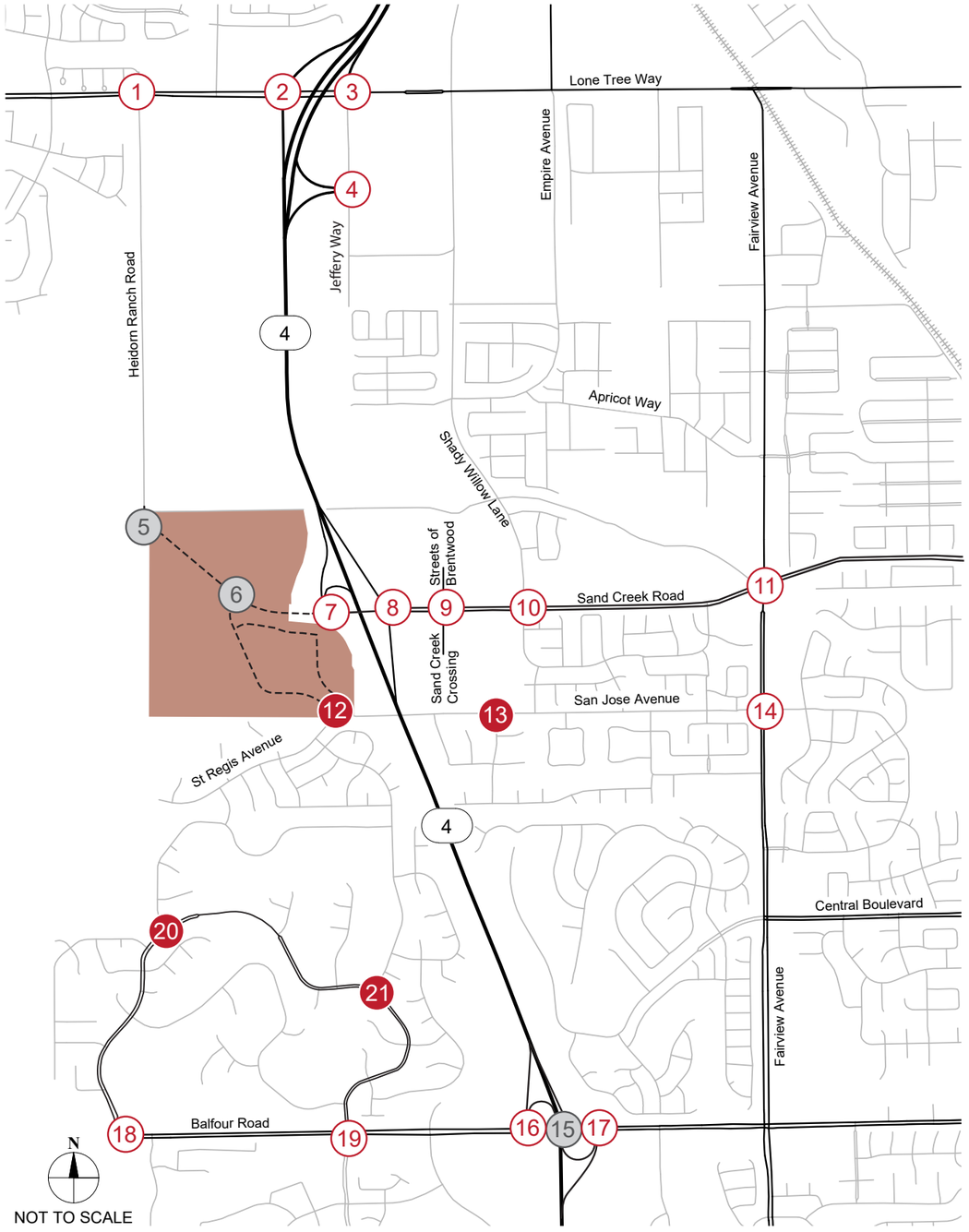


1. Lone Tree Wy/ Heidorn Ranch Rd/Fairside Wy	2. Lone Tree Wy/ SR-4 EB Ramps	3. Lone Tree Wy/ Jeffery Wy/SR-4 WB On-Ramp	4. SR-4 WB Ramps/ Jeffery Wy	5. Sand Creek Rd/ Heidorn Ranch Rd
				Intersection does not exist under this scenario
6. Sand Creek Rd/ San Jose Ave	7. Sand Creek Rd/ SR-4 EB Ramps	8. Sand Creek Rd/ SR-4 WB Ramps	9. Sand Creek Rd/ Sand Creek Crossing	10. Sand Creek Rd/ Shady Willow Ln/Highland Wy
Intersection does not exist under this scenario				
11. Sand Creek Rd/ Fairview Ave	12. San Jose Ave/ St. Regis Ave/Rose Wood Dr	13. San Jose Ave/ Portofino Dr	14. San Jose Ave/ Fairview Ave	15. Balfour Rd/ SR-4
				Intersection does not exist under this scenario
16. Balfour Rd/ SR-4 EB Ramps	17. Balfour Rd/ SR-4 WB Ramps	18. Balfour Rd/ American Ave/W Country Club Dr	19. Balfour Rd/ Foothill Dr/E Country Club Dr	20. W Country Club Dr/ Presidio Dr
				
21. E Country Club Dr/ Roundhill Dr				
				

Legend:

X	Signalized	XX′	Storage Length
X	Unsignalized	---	Project Road
X	Does Not Exist		Project Site

Figure 4-1
Existing Plus Approved Projects Lane Geometry and Traffic Control



1

	4 / 17 ⇖ Fairside Way 0 / 2 ⇗	⇗ 0 / 1
16 / 9 ⇘ 616 / 474 ⇙ Heidorn Ranch Rd		⇖ 270 / 700 Lone Tree Way

2

	121 /406 ⇖ SR-4 EB Off-Ramp 44 / 117 ⇗	⇘ 205 / 557
462 / 338 ⇘ 397 / 270 ⇙ SR-4 EB On-Ramp		⇖ 55 / 55 Lone Tree Way

3

	SR-4 WB On-Ramp ⇗	⇗ 86 / 86
127 / 218 ⇘ 376 / 237 ⇙ Jeffery Way		⇖ 118 / 172 Lone Tree Way
	140 /441 ⇘	⇘ 26 /73

4

	376 /237 ⇖ Jeffery Way	
SR-4 WB Ramps 166 / 515 ⇘		

5

Intersection does not exist under this scenario

6

Intersection does not exist under this scenario

7

	51 /102 ⇙ SR-4 SB Ramps	⇗ 57 / 58
		Sand Creek Rd

8

	SR-4 NB On-Ramp	⇗ 71 / 88
		⇖ 57 / 58 Sand Creek Rd
51 / 101 ⇙ SR-4 NB Off-Ramp		⇘ 36 /76

9

	7 / 8 ⇖ Streets of Brentwood 1 / 1 ⇗	⇗ 0 / 1
4 / 9 ⇘ 82 / 167 0 / 1 ⇙ Sand Creek Crossing		⇖ 120 / 138 Sand Creek Rd
		⇗ 0 /2

10

	16 /10 ⇖ Shady Willow Ln 2 / 1 ⇗	⇘ 1 / 2
6 / 18 ⇘ 77 / 150 ⇙ Highland Way		⇖ 104 / 129 Sand Creek Rd

11

	1 /4 ⇖ 26 /44 ⇦ 8 /4 ⇗ Fairview Ave	⇗ 2 / 8
72 / 145 ⇙ 7 / 5		⇖ 103 / 122 Sand Creek Rd
		⇘ 2 /8 ⇗ 27 /48

12

		San Jose Ave
St. Regis Ave		

13

	Dwy	San Jose Ave
Portofino Drive		

14

	33 / 49 ⇦ Fairview Ave	San Jose Ave
		⇑ 28 / 51

15

Intersection does not exist under this scenario

16

	26 / 74 ⇖ 48 / 138 ⇗ SR-4 SB Ramps	⇗ 85 / 93
		⇖ 50 / 92 Balfour Rd
31 / 47 ⇙ 67 / 117 ⇘		

17

		⇖ 210 / 234 Balfour Rd
67 / 182 ⇘ 46 / 69 ⇙ SR-4 NB Ramps		⇗ 19 / 48 ⇖ 41 / 122

18

	7 / 38 ⇙ W Country Club Dr	⇘ 0 / 2
14 / 43 ⇦ American Ave		⇖ 28 / 34 Balfour Rd

19

	1 / 1 -1 / -1 45 / 61 ⇙ E Country Club Dr	⇘ 23 / 68
		⇖ 49 / 60 ⇗ 0 / 21 Balfour Rd
0 / 2 ⇘ 21 / 78 1 / 3 ⇙ Foothill Dr		⇗ 2 / 2 ⇑ 0 / -2 ⇖ 16 / 15

20

	Presidio Drive	W Country Club Dr

21

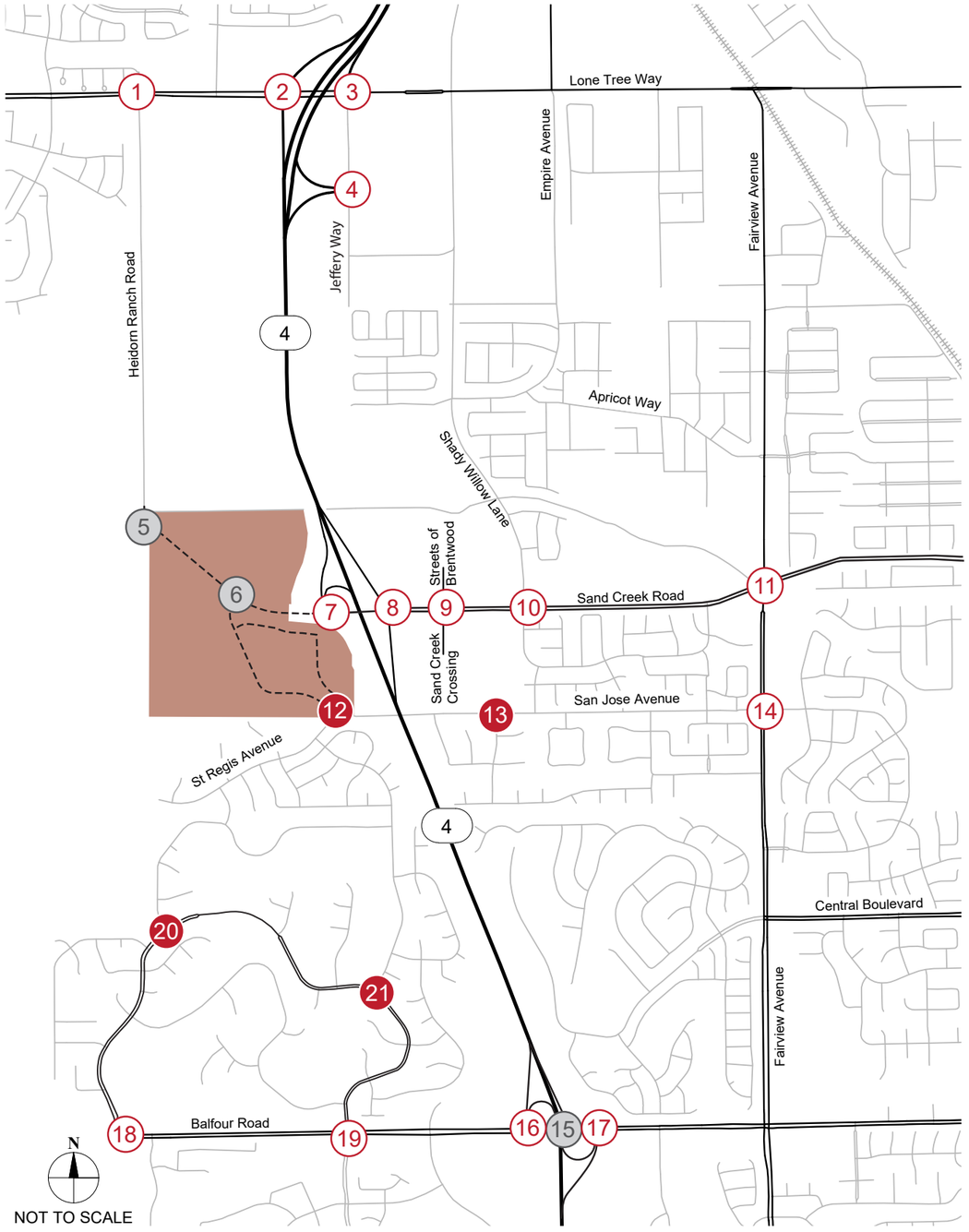
	Roundhill Dr	E Country Club Dr

Legend:

- (X) Signalized
- X Unsignalized
- (X) Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- --- Project Road
- Project Site

NOT TO SCALE

Figure 4-2
Approved Projects Generated Peak Hour Turning Movement Volumes



1

	Fairside Way	
9 /20		19 / 25
6 / 1		1359 / 1834
19 /26		38 / 34
		Lone Tree Way
19 / 25		50 /128
1511 / 1761		2 /4
65 / 108		41 /77
Heidorn Ranch Rd		

2

	SR-4 EB Off-Ramp	
715 /1029		1312 / 1874
3 /0		136 / 170
391 /728		Lone Tree Way
SR-4 EB On-Ramp		
1421 / 1870		
824 / 802		

3

	SR-4 WB On-Ramp	
		557 / 562
		884 / 1107
		19 / 10
		Lone Tree Way
1148 / 1944		570 /956
661 / 645		25 /35
Jeffery Way		182 /284

4

647 /633		
4 /3		
SR-4 WB Ramps	Jeffery Way	
744 / 1220		1 /1
34 / 16		3 /3

5

Intersection does not exist under this scenario

6

Intersection does not exist under this scenario

7

		134 / 139
907 /1530		
SR-4 SB Ramps		Sand Creek Rd

8

	SR-4 NB On-Ramp	
		937 / 959
		144 / 125
		Sand Creek Rd
4 / 8		1 /0
888 / 1533		136 /211
SR-4 NB Off-Ramp		

9

73 /184		87 / 124
20 /59		858 / 707
46 /103		42 / 107
Streets of Brentwood		Sand Creek Rd
88 / 267		145 /176
812 / 1207		36 /52
118 / 263		36 /89
Sand Creek Crossing		

10

96 /108		142 / 136
89 /105		864 / 852
154 /201		22 / 20
Shady Willow Ln		Sand Creek Rd
87 / 157		84 /44
773 / 1302		71 /78
55 / 67		19 /7
Highland Way		

11

40 /38		58 / 84
346 /368		737 / 706
91 /134		183 / 131
Fairview Ave		Sand Creek Rd
21 / 84		341 /303
703 / 985		296 /330
245 / 432		204 /149

12

		432 / 344
		San Jose Ave
St. Regis Ave		288 /275

13

28 / 0		1 / 11
2 / 3		389 / 279
78 / 6		15 / 39
Dwy		San Jose Ave
0 / 3		34 / 5
359 / 213		
7 / 6		24 / 12
Portofino Drive		

14

126 / 79		91 / 68
594 / 728		81 / 16
54 / 92		48 / 17
Fairview Ave		San Jose Ave
136 / 92		151 /170
52 / 22		582 /579
171 / 149		18 /38

15

Intersection does not exist under this scenario

16

415 / 161		162 / 540
330 / 323		1012 / 1167
SR-4 SB Ramps		Balfour Rd
298 / 437		
1282 / 713		

17

		1549 / 1477
		Balfour Rd
1050 / 930		174 / 488
560 / 102		77 / 431
SR-4 NB Ramps		

18

6 / 19		91 / 99
471 / 103		446 / 269
78 / 136		791 / 212
W Country Club Dr		Balfour Rd
13 / 41		123 / 30
232 / 401		213 / 90
354 / 25		728 / 192
American Ave		

19

253 / 24		72 / 212
113 / 44		965 / 577
234 / 156		44 / 140
E Country Club Dr		Balfour Rd
53 / 23		212 / 37
880 / 662		87 / 24
122 / 51		97 / 73
Foothill Dr		

20

270 / 154		5 / 5
11 / 10		29 / 21
9 / 3		4 / 1
Presidio Drive		W Country Club Dr
96 / 135		3 / 3
23 / 30		5 / 7
		3 / 2

21

12 / 20		102 / 92
135 / 91		31 / 32
Roundhill Dr		E Country Club Dr
21 / 27		
71 / 24		

Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 4-3
Existing Plus Approved Projects Peak Hour Turning Movement Volumes

Table 4–1 Existing plus Approved Projects Intersection LOS Summary

#	Intersection	Traffic Control	Peak Hour	Delay (a)	LOS
1	Lone Tree Way / Heidorn Ranch Road/Fairside Way	Signal	AM	10.8	B
			PM	13.2	B
2	Lone Tree Way / SR-4 SB Ramps	Signal	AM	69.8	**E**
			PM	100.3	**F**
3	Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp	Signal	AM	23.6	C
			PM	22.3	C
4	Jeffrey Way / SR-4 NB Ramps	Signal	AM	26.3	C
			PM	43.7	D
5	Sand Creek Road / Heidorn Ranch Road (Future	SSSC	AM	*Intersection does not exist in this scenario*	
			PM		
6	Sand Creek Road / San Jose Avenue (Future)	Signal	AM	*Intersection does not exist in this scenario*	
			PM		
7	Sand Creek Road / SR-4 SB Ramps	Signal	AM	3.8	A
			PM	3.8	A
8	Sand Creek Road / SR-4 NB Ramps	Signal	AM	10.8	B
			PM	13.4	B
9	Sand Creek Road / Sand Creek Crossing/Streets of Brentwood	Signal	AM	17.0	B
			PM	24.8	C
10	Sand Creek Road / Shady Willow Lane/Highland Way	Signal	AM	17.5	B
			PM	24.5	C
11	Sand Creek Road / Fairview Avenue	Signal	AM	56.5	**E**
			PM	50.0	D
12	San Jose Avenue / St. Regis Avenue	SSSC	AM	0.0	A
			PM	0.0	A
13	San Jose Avenue / Portofino Drive	SSSC	AM	15.3	C
			PM	9.8	A
14	San Jose Avenue/ Fairview Avenue	Signal	AM	64.6	**E**
			PM	54.4	D
15	Balfour Road / SR-4	Signal	AM	*Intersection does not exist in this scenario*	
			PM		
16	Balfour Road / SR-4 SB Ramps (Future)	Signal	AM	14.3	B
			PM	38.9	D
17	Balfour Road / SR-4 NB Ramps (Future)	Signal	AM	5.9	A
			PM	14.6	B
18	Balfour Road / American Avenue / West Country Club Drive	Signal	AM	75.5	**E**
			PM	16.1	B
19	Balfour Road / Foothill Drive / E Country Club Drive	Signal	AM	33.9	C
			PM	16.3	B
20	West Country Club / Presidio Drive	AWSC	AM	11.5	B
			PM	8.5	A
21	East Country Club / Roundhill Drive	AWSC	AM	8.8	A
			PM	7.8	A

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds.

(a) Delay is measured in seconds.

4.4 EXISTING PLUS APPROVED PROJECTS FREEWAY ANALYSIS

Existing plus Approved Projects volumes were evaluated at SR-4. Results are presented in **Table 4-2**. As shown in the table, no routes of regional significance would experience a delay index of 2.5 or greater; all would operate at an acceptable condition.

Analysis sheets are provided in the **Appendix G.**

4.5 PROJECT TRIP DISTRIBUTION

Project distribution would be different under Existing plus Approved Projects Conditions as the surrounding land uses and roadway network improve. A separate distribution pattern was prepared based on the planned roadway improvement projects within the vicinity of the project. **Figure 4-4** presents the traffic distribution assumed for this analysis. Based on the assumed trip distribution, new vehicle trips generated by the project were assigned to the street network as shown in **Figure 4-5** and **Figure 4-6.** The figures represent the total trips on the network, including pass-by and internal capture reductions for the two development scenarios.

Additional project distribution information is provided in **Appendix C**.

4.6 EXISTING PLUS APPROVED PROJECTS PLUS PROJECT INTERSECTION LOS

Existing plus Approved Projects plus Project Conditions were evaluated at the study intersections. Turning movement volumes at each study intersection for the two development scenarios are shown in **Figure 4-7** and **Figure 4-8.** The results of the intersection analysis are shown in **Table 4-3.** The following intersections would operate below acceptable LOS under Existing plus Approved Projects plus Project Conditions:

Development Scenario 1

- #2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) Peak – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Increased delay, LOS E) and PM (Worsened from LOS D to LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Worsened from LOS E to LOS F) Peak – Significant Impact

Table 4–2 Existing plus Approved Projects Routes of Regional Significance Travel Time Summary

Facility	Direction	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak				
SR-4				
North of Lone Tree Way (Basic)	NB	11.4	11.4	1.00
	SB	14.8	14.8	1.00
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.7	17.0	1.10
	SB	19.8	17.0	1.16
Jeffery Way NB On-Ramp (Merge)	NB	18.5	17.0	1.08
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.6	17.0	1.15
	SB	18.6	17.0	1.09
Lone Tree Way to Sand Creek Road (Basic)	NB	3.4	3.4	1.00
	SB	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.7	17.0	1.10
	SB	19.7	17.0	1.16
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.2	17.0	1.13
	SB	18.3	17.0	1.07
Sand Creek Road to Balfour Road (Basic)	NB	31.8	31.8	1.00
	SB	30.1	30.1	1.00
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.3	17.0	1.07
	SB	19.6	17.0	1.15
Balfour Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.3	17.0	1.13
	SB	18.3	17.0	1.07
South of Balfour Road (Basic)	NB	90.0	90.0	1.00
	SB	90.0	90.0	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time Results are measured in seconds
Travel Times were obtained using HCM freeway facility level of service analysis.
The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 4–2 Existing plus Approved Projects Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Direction	Travel Time (a)	Free-Flow Time (a)	Delay Index
PM Peak				
SR-4				
North of Lone Tree Way (Basic)	NB	11.4	11.4	1.00
	SB	15.1	14.8	1.02
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.5	17.0	1.08
	SB	20.3	17.0	1.19
Jeffery Way NB On-Ramp (Merge)	NB	18.4	17.0	1.08
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.9	17.0	1.17
	SB	18.8	17.0	1.10
Lone Tree Way to Sand Creek Road (Basic)	NB	3.4	3.4	1.00
	SB	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.7	17.0	1.09
	SB	20.1	17.0	1.18
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.3	17.0	1.13
	SB	18.3	17.0	1.07
Sand Creek Road to Balfour Road (Basic)	NB	31.8	31.8	1.00
	SB	30.1	30.1	1.00
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.3	17.0	1.07
	SB	19.4	17.0	1.14
Balfour Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.7	17.0	1.16
	SB	18.4	17.0	1.08
South of Balfour Road (Basic)	NB	90.0	90.0	1.00
	SB	90.0	90.0	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

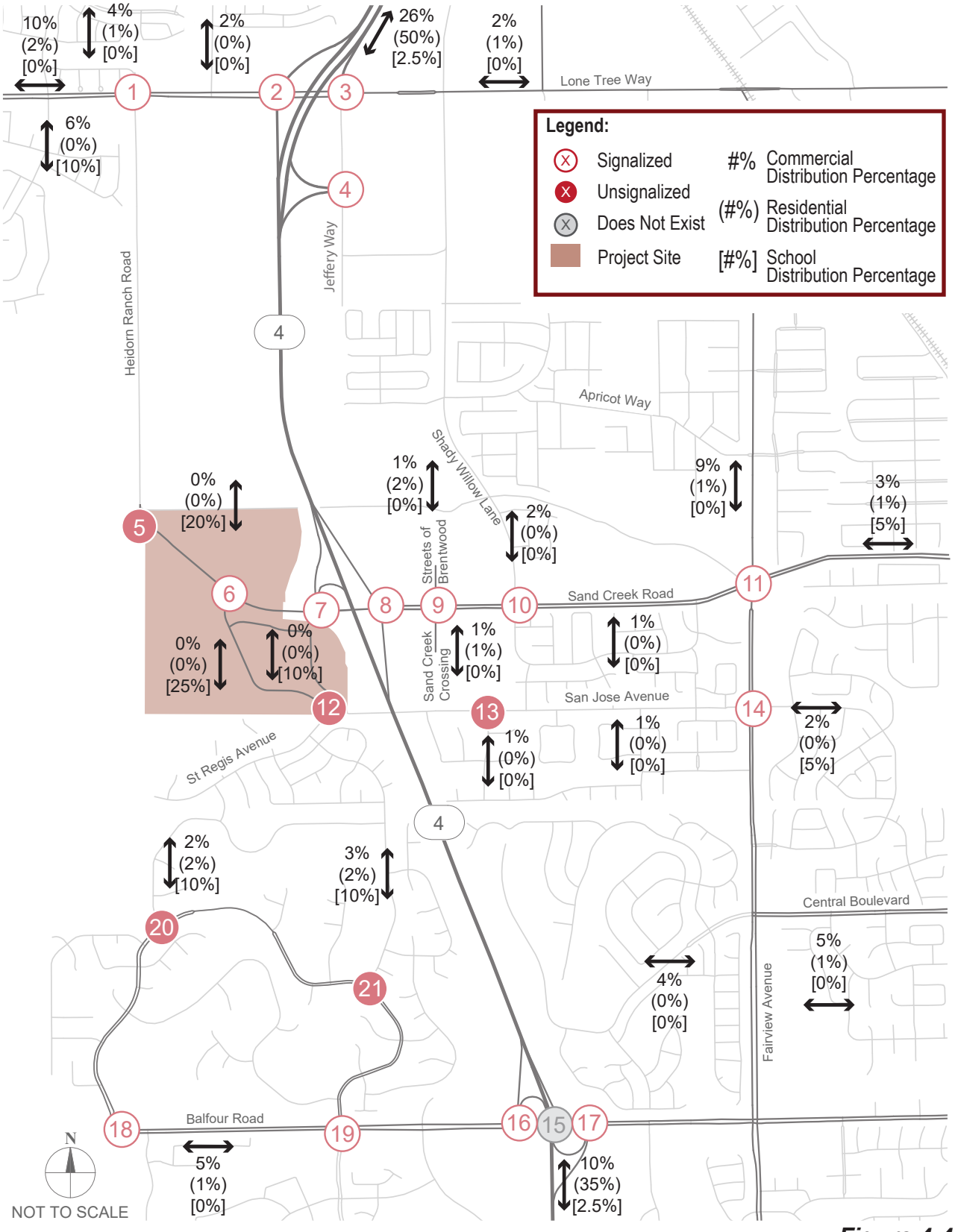
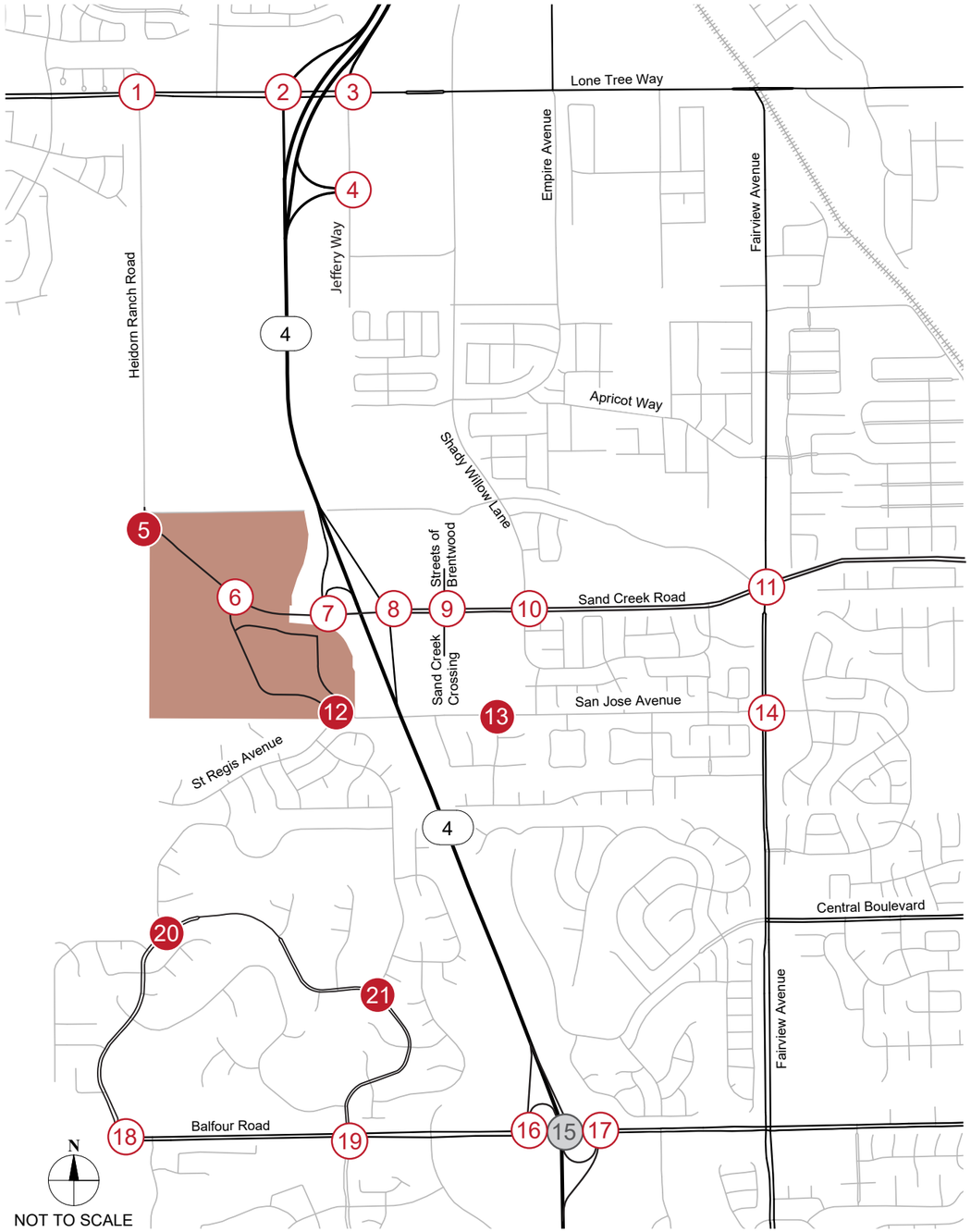


Figure 4-4

Project Trip Distribution (Existing plus Approved Projects Conditions)



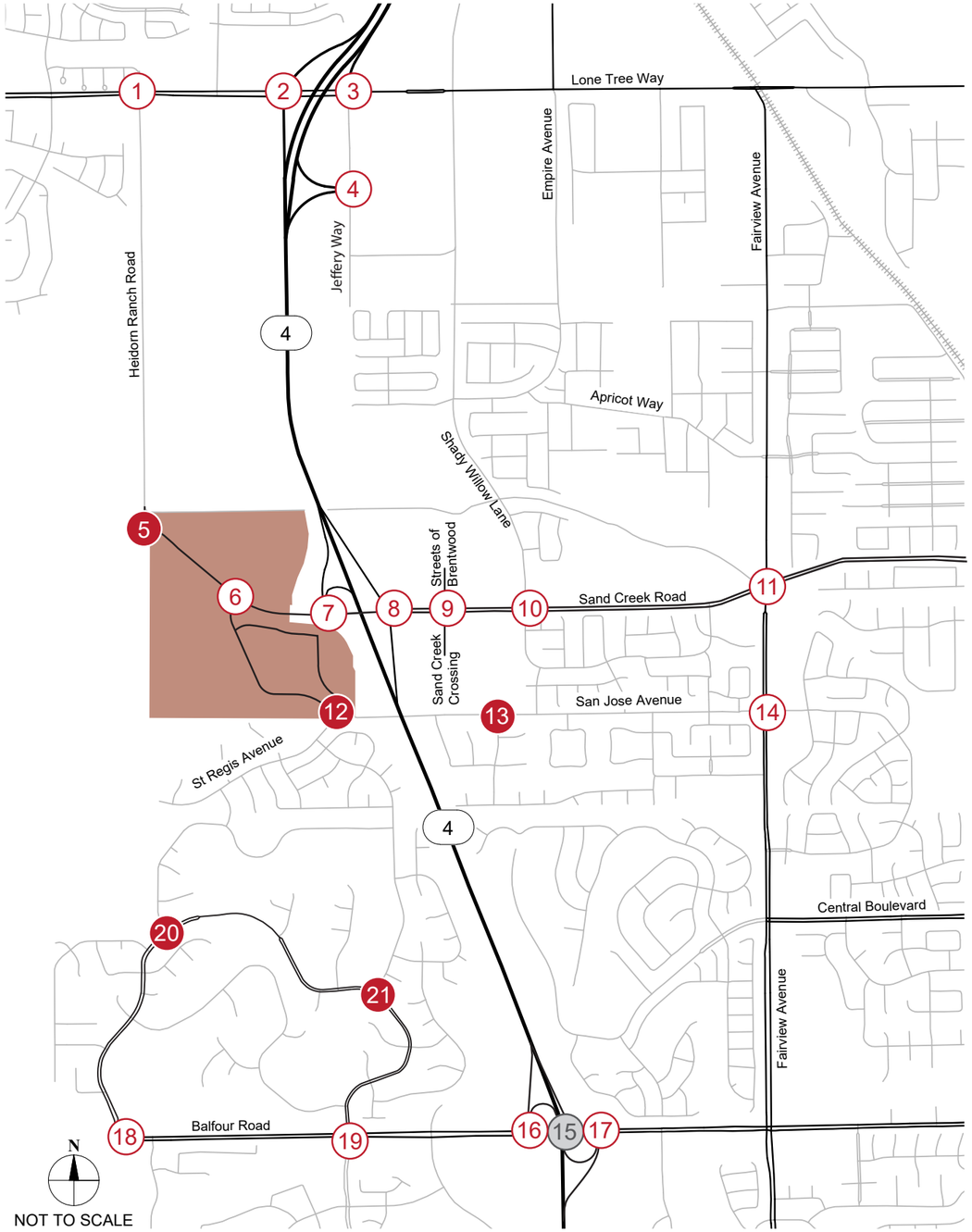
1 Fairside Way: ⇦ 17 / 45 Lone Tree Way Heidorn Ranch Rd: 17 / 46, 14 / 37 ⇦⇨; ⇩ 9 / 40	**2** SR-4 EB Off-Ramp: ⇦ 18 / 53, ⇖ 4 / 10 Lone Tree Way SR-4 EB On-Ramp: 20 / 53 ⇖	**3** SR-4 WB On-Ramp: ⇦ 4 / 10 Lone Tree Way Jeffery Way: ⇩ 18 / 53, ⇨ 5 / 10	**4** Jeffery Way SR-4 WB Ramps: 23 / 63 ⇦⇨
5 Heidorn Ranch Rd: ⇦ 14 / 37 ⇦ 9 / 40 Sand Creek Rd	**6** San Jose Ave: ⇦ 9 / 40, ⇖ 28 / 118, ⇦ 118 / 355 ⇦ 131 / 431 ⇖ 59 / 135 Sand Creek Rd 14 / 37 ⇦⇨ ⇧ 15 / 40 ⇩ 145 / 116	**7** SR-4 SB Ramps: ⇦ 102 / 304 ⇦ 89 / 263 Sand Creek Rd 88 / 135, 174 / 336 ⇦⇨	**8** SR-4 NB On-Ramp ⇦ 32 / 88 Sand Creek Rd 144 / 249, 31 / 87 ⇦⇨ SR-4 NB Off-Ramp: ⇦ 57 / 174
9 Streets of Brentwood: ⇦ 3 / 10 ⇦ 29 / 75 Sand Creek Rd 7 / 7, 22 / 78, 3 / 2 ⇦⇨ Sand Creek Crossing: ⇩ 1 / 3	**10** Shady Willow Ln: ⇦ 3 / 7 ⇦ 24 / 64 Sand Creek Rd 2 / 8, 20 / 66, 1 / 4 ⇦⇨ Highland Way: ⇩ 1 / 4	**11** Fairview Ave: ⇦ 14 / 36 ⇦ 5 / 14 Sand Creek Rd 11 / 38, 6 / 14, 3 / 12 ⇦⇨ ⇩ 4 / 11	**12** Rose Wood Dr: ⇦ 42 / 25, ⇩ 25 / 7, ⇦ 3 / 2 ⇦ 1 / 3 ⇦ 8 / 22 San Jose Ave 13 / 44, 5 / 24, 60 / 20 ⇦⇨ St. Regis Ave: ⇩ 7 / 18, ⇧ 3 / 12
13 Dwy ⇦ 8 / 21 San Jose Ave 7 / 22, 1 / 4 ⇦⇨ Portofino Drive: ⇩ 1 / 4	**14** Fairview Ave: ⇦ 3 / 12 ⇦ 3 / 7 San Jose Ave 2 / 8, 5 / 10 ⇦⇨ ⇧ 4 / 10 ⇩ 4 / 11	**15** Intersection does not exist under this scenario	**16** SR-4 SB Ramps: ⇦ 7 / 22, ⇦ 3 / 16 Balfour Rd 28 / 0, 50 / 21 ⇦⇨
17 ⇦ 6 / 15 Balfour Rd 50 / 21 ⇦ SR-4 NB Ramps	**18** W Country Club Dr: ⇦ 1 / 4, ⇩ 42 / 0 ⇦ 8 / 26 28 / 0 Balfour Rd 1 / 4, 9 / 25 ⇦⇨ American Ave ⇩ 70 / 0	**19** E Country Club Dr: ⇦ 29 / 4 ⇦ 7 / 22 Balfour Rd 1 / 4, 77 / 21 ⇦⇨ Foothill Dr	**20** Presidio Drive: ⇦ 18 / 6 ⇦ 28 / 0 W Country Club Dr 2 / 7 ⇦⇨
21 Roundhill Dr: ⇦ 32 / 6 ⇦ 2 / 7 E Country Club Dr			

Legend:
- (X) Signalized
- X Unsignalized
- (X) Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 4-5

Total Project Generated Traffic Volumes for Development Scenario 1 (Existing plus Approved Projects Conditions)



1					2					3					4				
		Fairside Way		16 / 44			SR-4 EB Off-Ramp		17 / 52 4 / 10			SR-4 WB On-Ramp		4 / 10			Jeffery Way		
				Lone Tree Way					Lone Tree Way					Lone Tree Way		SR-4 WB Ramps			
16 / 45 14 / 37	Heidorn Ranch Rd		9 / 40		19 / 52	SR-4 EB On-Ramp					Jeffery Way		17 / 52 4 / 9	4 / 9		22 / 62			
5					6					7					8				
	36 / 44	Heidorn Ranch Rd		27 / 47		9 / 40 71 / 131 112 / 351	San Jose Ave		128 / 422 74 / 118		102 / 287	SR-4 SB Ramps		101 / 254			SR-4 NB On-Ramp		43 / 89
				Sand Creek Rd					Sand Creek Rd					Sand Creek Rd					Sand Creek Rd
					14 / 37 22 / 7				18 / 7 51 / 54 145 / 109	85 / 130 174 / 329					136 / 240 38 / 89	SR-4 NB Off-Ramp		60 / 164	
9					10					11					12				
	2 / 9	Streets of Brentwood		39 / 77		3 / 7	Shady Willow Ln		34 / 66		14 / 36	Fairview Ave		9 / 15		37 / 22 58 / 20 11 / 4	Rose Wood Dr		12 / 6 8 / 22
				Sand Creek Rd					Sand Creek Rd					Sand Creek Rd					San Jose Ave
6 / 7 30 / 81 2 / 1	Sand Creek Crossing		1 / 3		2 / 8 28 / 69 1 / 4	Highland Way		1 / 4		10 / 37 9 / 14 3 / 12			4 / 11		11 / 39 5 / 24 53 / 20	St. Regis Ave		7 / 18 48 / 23	
13					14					15					16				
		Dwy		19 / 24		3 / 12	Fairview Ave		7 / 8						6 / 21	3 / 16	SR-4 SB Ramps		Balfour Rd
				San Jose Ave					San Jose Ave										
15 / 24 1 / 4	Portofino Drive		1 / 4		6 / 9 4 / 9			4 / 10 4 / 11		Intersection does not exist under this scenario					25 / 0 45 / 21				
17					18					19					20				
				6 / 15		1 / 4 37 / 0	W Country Club Dr		7 / 25 25 / 0		26 / 4	E Country Club Dr		6 / 21		25 / 8	Presidio Drive		25 / 0
				Balfour Rd					Balfour Rd					Balfour Rd					W Country Club Dr
45 / 21	SR-4 NB Ramps				1 / 4 9 / 25	American Ave		61 / 0		1 / 4 69 / 21	Foothill Dr				13 / 10				
21																			
	37 / 8	Roundhill Dr		13 / 10															
				E Country Club Dr															

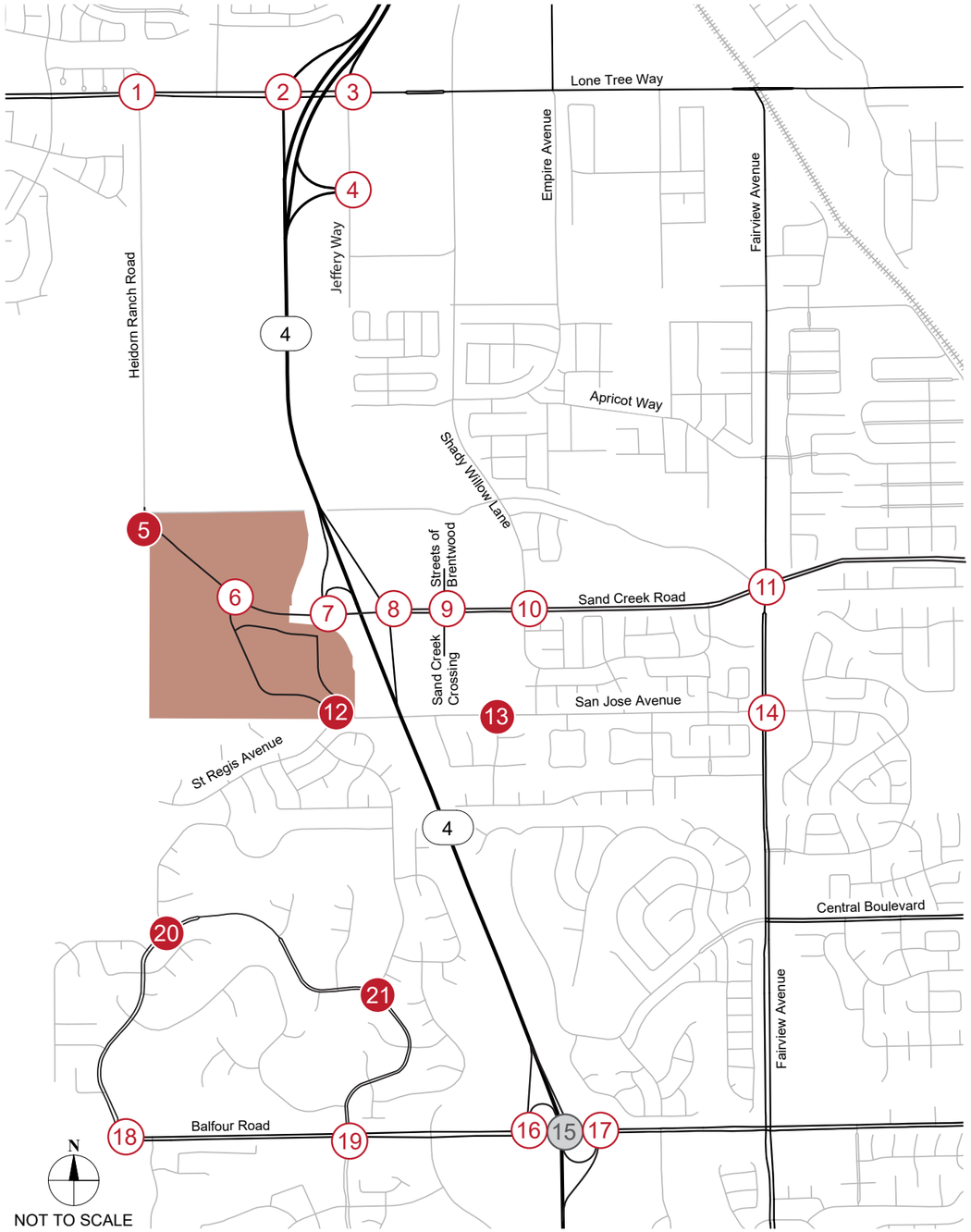
Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 4-6

Total Project Generated Traffic Volumes for Development Scenario 2 (Existing plus Approved Projects Conditions)



1

	Fairside Way	
9 / 20 ⇖		⇗ 19 / 25
6 / 1 ⇩		⇧ 1376 / 1879
19 / 26 ⇗		⇖ 38 / 34
	Lone Tree Way	
19 / 25 ⇖		⇗
1528 / 1807 ⇩	Heidorn Ranch Rd	⇧ 59 / 168
79 / 145 ⇗		⇖ 2 / 4
		⇖ 41 / 77

2

	SR-4 EB Off-Ramp	
715 / 1029 ⇖		⇧ 1330 / 1927
3 / 0 ⇩		⇖ 140 / 180
391 / 728 ⇗		
	Lone Tree Way	
1421 / 1870 ⇩		
844 / 855 ⇗	SR-4 EB On-Ramp	

3

	SR-4 WB On-Ramp	
		⇗ 557 / 562
		⇧ 888 / 1117
		⇖ 19 / 10
	Lone Tree Way	
1148 / 1944 ⇩		
661 / 645 ⇗	Jeffery Way	⇧ 588 / 1009
		⇧ 25 / 35
		⇖ 187 / 294

4

647 / 633 ⇖		
4 / 3 ⇩		
	Jeffery Way	
SR-4 WB Ramps		
767 / 1283 ⇩		⇗
34 / 16 ⇗		⇧ 1 / 1
		⇖ 3 / 3

5

		⇗ 9 / 40
14 / 37 ⇖		
	Heidorn Ranch Rd	
		Sand Creek Rd

6

9 / 40 ⇖		⇗ 131 / 431
28 / 118 ⇩		
118 / 355 ⇗	San Jose Ave	⇖ 59 / 135
		Sand Creek Rd
14 / 37 ⇩		⇧ 15 / 40
		⇖ 145 / 116

7

102 / 304 ⇖		⇗ 134 / 139
	SR-4 SB Ramps	⇖ 89 / 263
907 / 1530 ⇗		Sand Creek Rd
88 / 135 ⇩		
174 / 336 ⇩		

8

	SR-4 NB On-Ramp	⇗ 937 / 959
		⇧ 176 / 213
		Sand Creek Rd
148 / 257 ⇩		
919 / 1620 ⇩	SR-4 NB Off-Ramp	⇗ 58 / 174
		⇖ 136 / 211

9

76 / 194 ⇖		⇗ 87 / 124
20 / 59 ⇩		⇧ 887 / 782
46 / 103 ⇗	Streets of Brentwood	⇖ 42 / 107
		Sand Creek Rd
95 / 274 ⇩		
834 / 1285 ⇩	Sand Creek Crossing	⇗ 146 / 179
121 / 265 ⇗		⇧ 36 / 52
		⇖ 36 / 89

10

99 / 115 ⇖		⇗ 142 / 136
89 / 105 ⇩		⇧ 888 / 916
154 / 201 ⇗	Shady Willow Ln	⇖ 22 / 20
		Sand Creek Rd
89 / 165 ⇩		
793 / 1368 ⇩	Highland Way	⇗ 85 / 48
56 / 71 ⇗		⇧ 71 / 78
		⇖ 19 / 7

11

54 / 74 ⇖		⇗ 58 / 84
346 / 368 ⇩		⇧ 742 / 720
91 / 134 ⇗	Fairview Ave	⇖ 183 / 131
		Sand Creek Rd
32 / 122 ⇩		
709 / 999 ⇩		⇗ 345 / 314
248 / 444 ⇗		⇧ 296 / 330
		⇖ 204 / 149

12

42 / 25 ⇖		⇗ 1 / 3
25 / 7 ⇩		⇧ 8 / 22
3 / 2 ⇗	Rose Wood Dr	⇖ 432 / 344
		San Jose Ave
13 / 44 ⇩		
5 / 24 ⇩	St. Regis Ave	⇗ 7 / 18
60 / 20 ⇗		⇧ 3 / 12
		⇖ 288 / 275

13

28 / 0 ⇖		⇗ 1 / 11
2 / 3 ⇩		⇧ 397 / 300
78 / 6 ⇗	Dwy	⇖ 15 / 39
		San Jose Ave
0 / 3 ⇩		
366 / 235 ⇩	Portofino Drive	⇗ 35 / 9
8 / 10 ⇗		⇖ 24 / 12

14

126 / 79 ⇖		⇗ 91 / 68
597 / 740 ⇩		⇧ 84 / 23
54 / 92 ⇗	Fairview Ave	⇖ 48 / 17
		San Jose Ave
136 / 92 ⇩		
54 / 30 ⇩		⇗ 155 / 180
176 / 159 ⇗		⇧ 586 / 590
		⇖ 18 / 38

15

Intersection does not exist under this scenario

16

422 / 183 ⇖		⇗ 162 / 540
333 / 339 ⇗	SR-4 SB Ramps	⇧ 1012 / 1167
		Balfour Rd
326 / 437 ⇩		
1332 / 734 ⇩		

17

		⇧ 1555 / 1492
		Balfour Rd
1050 / 930 ⇩		
610 / 123 ⇩	SR-4 NB Ramps	⇗ 174 / 488
		⇧ 77 / 431

18

7 / 23 ⇖		⇗ 91 / 99
513 / 103 ⇩		⇧ 454 / 295
78 / 136 ⇗	W Country Club Dr	⇖ 819 / 212
		Balfour Rd
14 / 45 ⇩		
241 / 426 ⇩	American Ave	⇗ 123 / 30
354 / 25 ⇗		⇧ 213 / 90
		⇖ 798 / 192

19

282 / 28 ⇖		⇗ 72 / 212
113 / 44 ⇩		⇧ 972 / 599
234 / 156 ⇗	E Country Club Dr	⇖ 44 / 140
		Balfour Rd
54 / 27 ⇩		
957 / 683 ⇩	Foothill Dr	⇗ 212 / 37
122 / 51 ⇗		⇧ 87 / 24
		⇖ 97 / 73

20

288 / 160 ⇖		⇗ 5 / 5
11 / 10 ⇩		⇧ 57 / 21
9 / 3 ⇗	Presidio Drive	⇖ 4 / 1
		W Country Club Dr
98 / 142 ⇩		
23 / 30 ⇩		⇗ 3 / 3
		⇧ 5 / 7
		⇖ 3 / 2

21

12 / 20 ⇖		⇗ 104 / 99
167 / 97 ⇗	Roundhill Dr	⇖ 31 / 32
		E Country Club Dr
21 / 27 ⇩		
71 / 24 ⇩		

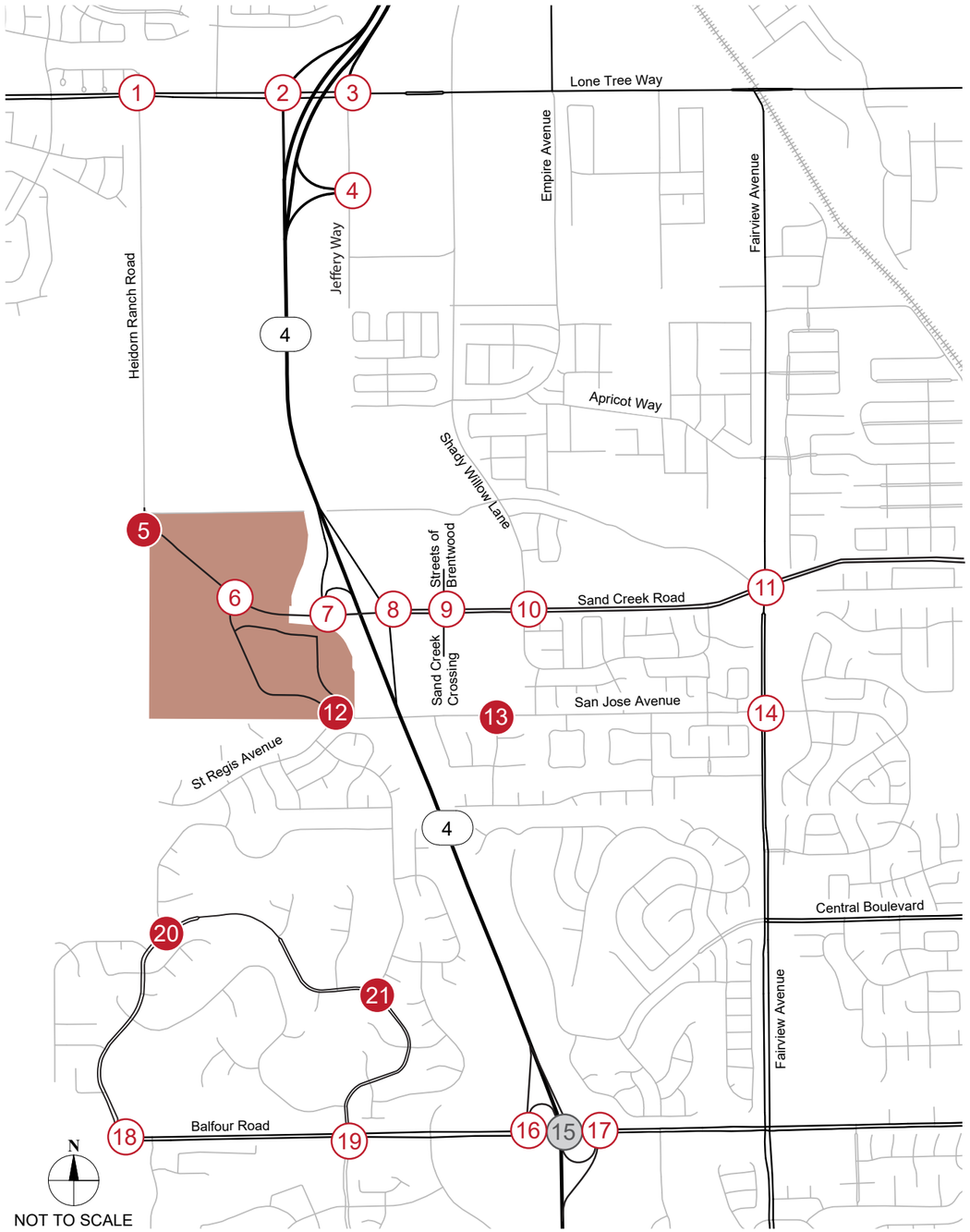
Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 4-7

Existing plus Approved Projects Plus Project Traffic Volumes for Development Scenario 1



1

	Fairside Way	
9 / 20 / 6 / 1 / 19 / 26		19 / 25 / 1375 / 1878 / 38 / 34
		Lone Tree Way
19 / 25 / 1527 / 1806 / 79 / 145	Heidorn Ranch Rd	59 / 168 / 2 / 4 / 41 / 77

2

715 / 1029 / 3 / 0 / 391 / 728	SR-4 EB Off-Ramp	1329 / 1926 / 140 / 180
		Lone Tree Way
1421 / 1870 / 843 / 854	SR-4 EB On-Ramp	

3

	SR-4 WB On-Ramp	557 / 562 / 888 / 1117 / 19 / 10
		Lone Tree Way
1148 / 1944 / 661 / 645	Jeffery Way	587 / 1008 / 25 / 35 / 186 / 293

4

647 / 633 / 4 / 3	Jeffery Way	
SR-4 WB Ramps		
766 / 1282 / 34 / 16		1 / 1 / 3 / 3

5

36 / 44	Heidorn Ranch Rd	27 / 47
		Sand Creek Rd

6

9 / 40 / 71 / 131 / 112 / 351	San Jose Ave	128 / 422 / 74 / 118
		Sand Creek Rd
14 / 37 / 22 / 7		18 / 7 / 51 / 54 / 145 / 109

7

102 / 287	SR-4 SB Ramps	134 / 139 / 101 / 254
907 / 1530		Sand Creek Rd
85 / 130 / 174 / 329		

8

	SR-4 NB On-Ramp	937 / 959 / 187 / 214
		Sand Creek Rd
140 / 248 / 926 / 1622	SR-4 NB Off-Ramp	61 / 164 / 136 / 211

9

75 / 193 / 20 / 59 / 46 / 103	Streets of Brentwood	87 / 124 / 897 / 784 / 42 / 107
		Sand Creek Rd
94 / 274 / 842 / 1288 / 120 / 264	Sand Creek Crossing	146 / 179 / 36 / 52 / 36 / 89

10

99 / 115 / 89 / 105 / 154 / 201	Shady Willow Ln	142 / 136 / 898 / 918 / 22 / 20
		Sand Creek Rd
89 / 165 / 801 / 1371 / 56 / 71	Highland Way	85 / 48 / 71 / 78 / 19 / 7

11

54 / 74 / 346 / 368 / 91 / 134	Fairview Ave	58 / 84 / 746 / 721 / 183 / 131
		Sand Creek Rd
31 / 121 / 712 / 999 / 248 / 444		345 / 314 / 296 / 330 / 204 / 149

12

37 / 22 / 58 / 20 / 11 / 4	Rose Wood Dr	12 / 6 / 8 / 22 / 432 / 344
		San Jose Ave
11 / 39 / 5 / 24 / 53 / 20	St. Regis Ave	7 / 18 / 48 / 23 / 288 / 275

13

28 / 0 / 2 / 3 / 78 / 6	Dwy	1 / 11 / 408 / 303 / 15 / 39
		San Jose Ave
0 / 3 / 374 / 237 / 8 / 10	Portofino Drive	35 / 9 / 24 / 12

14

126 / 79 / 597 / 740 / 54 / 92	Fairview Ave	91 / 68 / 88 / 24 / 48 / 17
		San Jose Ave
136 / 92 / 58 / 31 / 175 / 158		155 / 180 / 586 / 590 / 18 / 38

15

Intersection does not exist under this scenario

16

421 / 182	SR-4 SB Ramps	162 / 540 / 1012 / 1167
333 / 339		Balfour Rd
323 / 437 / 1327 / 734		

17

		1555 / 1492
		Balfour Rd
1050 / 930 / 605 / 123	SR-4 NB Ramps	174 / 488 / 77 / 431

18

7 / 23 / 508 / 103 / 78 / 136	W Country Club Dr	91 / 99 / 453 / 294 / 816 / 212
		Balfour Rd
14 / 45 / 241 / 426 / 354 / 25	American Ave	123 / 30 / 213 / 90 / 789 / 192

19

279 / 28 / 113 / 44 / 234 / 156	E Country Club Dr	72 / 212 / 971 / 598 / 44 / 140
		Balfour Rd
54 / 27 / 949 / 683 / 122 / 51	Foothill Dr	212 / 37 / 87 / 24 / 97 / 73

20

295 / 162 / 11 / 10 / 9 / 3	Presidio Drive	5 / 5 / 54 / 21 / 4 / 1
		W Country Club Dr
109 / 145 / 23 / 30		3 / 3 / 5 / 7 / 3 / 2

21

12 / 20 / 172 / 99	Roundhill Dr	115 / 102 / 31 / 32
		E Country Club Dr
21 / 27 / 71 / 24		

Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 4-8

Existing plus Approved Projects Plus Project Traffic Volumes for Development Scenario 2

Table 4–3 Existing plus Approved Projects plus Project Intersection LOS Summary

#	Intersection	Traffic Control	Peak Hour	Baseline		Plus Project (Scenario 1)			Plus Project (Scenario 2)		
				Delay (a)	LOS	Delay (a)	LOS	Δ (b)	Delay (a)	LOS	Δ (b)
1	Lone Tree Way / Heidorn Ranch Road/Fairside Way	Signal	AM	10.8	B	10.9	B	0.1	10.9	B	0.1
			PM	13.2	B	14.1	B	0.9	14.1	B	0.9
2	Lone Tree Way / SR-4 SB Ramps	Signal	AM	69.8	**E**	71.5	**E**	1.7	71.4	**E**	1.6
			PM	100.3	**F**	104.0	**F**	3.7	103.9	**F**	3.6
3	Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp	Signal	AM	23.6	C	23.8	C	0.2	23.9	C	0.3
			PM	22.3	C	23.6	C	1.3	23.6	C	1.3
4	Jeffrey Way / SR-4 NB Ramps	Signal	AM	26.3	C	26.8	C	0.5	27.1	C	0.8
			PM	43.7	D	47.8	D	4.1	47.6	D	3.9
5	Sand Creek Road / Heidorn Ranch Road (Future	SSSC	AM	*Intersection does not exist in this scenario*		7.4	A	-	7.5	A	-
			PM			7.5	A		7.5	A	
6	Sand Creek Road / San Jose Avenue (Future)	Signal	AM	*Intersection does not exist in this scenario*		8.1	A	-	7.2	A	-
			PM			14.9	B		14.4	B	
7	Sand Creek Road / SR-4 SB Ramps	Signal	AM	3.8	A	5.1	A	1.3	5.1	A	1.3
			PM	3.8	A	4.9	A	1.1	4.9	A	1.1
8	Sand Creek Road / SR-4 NB Ramps	Signal	AM	10.8	B	11.4	B	0.6	11.7	B	0.9
			PM	13.4	B	15.2	B	1.8	15.1	B	1.7
9	Sand Creek Road / Sand Creek Crossing/Streets of Brentwood	Signal	AM	17.0	B	17.2	B	0.2	17.2	B	0.2
			PM	24.8	C	25.8	C	1.0	25.8	C	1.0
10	Sand Creek Road / Shady Willow Lane/Highland Way	Signal	AM	17.5	B	17.7	B	0.2	17.7	B	0.2
			PM	24.5	C	27.5	C	3.0	27.7	C	3.2
11	Sand Creek Road / Fairview Avenue	Signal	AM	56.5	**E**	57.2	**E**	0.7	57.4	**E**	0.9
			PM	50.0	D	53.3	D	3.3	53.3	D	3.3
12	San Jose Avenue / St. Regis Avenue	SSSC	AM	0.0	A	14.7	B	14.7	18.6	C	18.6
			PM	0.0	A	13.0	B	13.0	13.4	B	13.4
13	San Jose Avenue / Portofino Drive	SSSC	AM	15.3	C	15.8	C	0.5	16.5	C	1.2
			PM	9.8	A	10.4	B	0.6	10.4	B	0.6

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(a) Delay is measured in seconds.

(b) Change in delay due to the addition of project traffic

Table 4–3 Existing plus Approved Projects plus Project Intersection LOS Summary (Cont.)

#	Intersection	Traffic Control	Peak Hour	Baseline		Plus Project (Scenario 1)			Plus Project (Scenario 2)		
				Delay (a)	LOS	Delay (a)	LOS	Δ (b)	Delay (a)	LOS	Δ (b)
14	San Jose Avenue/ Fairview Avenue	Signal	AM	64.6	**E**	66.9	**E**	2.3	67.0	**E**	2.4
			PM	54.4	D	59.7	**E**	5.3	59.7	**E**	5.3
15	Balfour Road / SR-4	Signal	AM	*Intersection does not exist in this scenario*		*Intersection does not exist in this scenario*			*Intersection does not exist in this scenario*		
			PM								
16	Balfour Road / SR-4 SB Ramps (Future)	Signal	AM	14.3	B	14.6	B	0.3	14.8	B	0.5
			PM	38.9	D	40.6	D	1.7	40.6	D	1.7
17	Balfour Road / SR-4 NB Ramps (Future)	Signal	AM	5.9	A	6.0	A	0.1	6.0	A	0.1
			PM	14.6	B	14.8	B	0.2	14.8	B	0.2
18	Balfour Road / American Avenue / West Country Club Drive	Signal	AM	75.5	**E**	80.1	**F**	4.6	87.9	**F**	12.4
			PM	16.1	B	16.2	B	0.1	16.2	B	0.1
19	Balfour Road / Foothill Drive / E Country Club Drive	Signal	AM	33.9	C	35.8	D	1.9	39.6	D	5.7
			PM	16.3	B	16.4	B	0.1	16.4	B	0.1
20	West Country Club / Presidio Drive	AWSC	AM	11.5	B	12.0	B	0.5	13.2	B	1.7
			PM	8.5	A	8.6	A	0.1	8.7	A	0.2
21	East Country Club / Roundhill Drive	AWSC	AM	8.8	A	9.0	A	0.2	9.4	A	0.6
			PM	7.8	A	7.8	A	0.0	7.9	A	0.1

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(a) Delay is measured in seconds.

(b) Change in delay due to the addition of project traffic

Development Scenario 2

- #2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) Peak – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Increased delay, LOS E) and PM (Worsened from LOS D to LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Worsened from LOS E to LOS F) Peak – Significant Impact

Analysis sheets are provided in the **Appendix H.**

4.7 EXISTING PLUS APPROVED PROJECT PLUS PROJECT FREEWAY ANALYSIS

Traffic operations were evaluated at SR-4 under Existing plus Approved Projects plus Project Conditions. Results of the analysis are presented in **Table 4-4**. As shown in the table, no routes of regional significance would experience a delay index of 2.5 or greater; all would operate at an acceptable condition with and without the project.

Analysis sheets are provided in the **Appendix H.**

Table 4–4 Existing plus Approved Projects plus Project Routes of Regional Significance Travel Time Summary

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak					
SR-4					
North of Lone Tree Way (Basic)	NB	Baseline	11.4	11.4	1.00
		With Scenario 1	11.4	11.4	1.00
		With Scenario 2	11.4	11.4	1.00
	SB	Baseline	14.8	14.8	1.00
		With Scenario 1	14.8	14.8	1.00
		With Scenario 2	14.8	14.8	1.00
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.7	17.0	1.10
		With Scenario 1	18.7	17.0	1.10
		With Scenario 2	18.7	17.0	1.10
	SB	Baseline	19.8	17.0	1.16
		With Scenario 1	19.8	17.0	1.16
		With Scenario 2	19.8	17.0	1.16
Jeffery Way NB On-Ramp (Merge)	NB	Baseline	18.5	17.0	1.08
		With Scenario 1	18.5	17.0	1.08
		With Scenario 2	18.5	17.0	1.09
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.6	17.0	1.15
		With Scenario 1	19.6	17.0	1.15
		With Scenario 2	19.6	17.0	1.15
	SB	Baseline	18.6	17.0	1.09
		With Scenario 1	18.6	17.0	1.09
		With Scenario 2	18.6	17.0	1.09
Lone Tree Way to Sand Creek Road (Basic)	NB	Baseline	3.4	3.4	1.00
		With Scenario 1	3.4	3.4	1.00
		With Scenario 2	3.4	3.4	1.00
	SB	Baseline	9.7	9.7	1.00
		With Scenario 1	9.7	9.7	1.00
		With Scenario 2	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.7	17.0	1.10
		With Scenario 1	18.7	17.0	1.10
		With Scenario 2	18.8	17.0	1.10
	SB	Baseline	19.7	17.0	1.16
		With Scenario 1	19.7	17.0	1.16
		With Scenario 2	19.7	17.0	1.16
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.2	17.0	1.13
		With Scenario 1	19.3	17.0	1.13
		With Scenario 2	19.3	17.0	1.13
	SB	Baseline	18.3	17.0	1.07
		With Scenario 1	18.3	17.0	1.07
		With Scenario 2	18.3	17.0	1.07
Sand Creek Road to Balfour Road (Basic)	NB	Baseline	31.8	31.8	1.00
		With Scenario 1	31.8	31.8	1.00
		With Scenario 2	31.8	31.8	1.00
	SB	Baseline	30.1	30.1	1.00
		With Scenario 1	30.1	30.1	1.00
		With Scenario 2	30.1	30.1	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 4–4 Existing plus Approved Projects plus Project Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak					
SR-4					
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.3	17.0	1.07
		With Scenario 1	18.3	17.0	1.07
		With Scenario 2	18.3	17.0	1.07
	SB	Baseline	19.6	17.0	1.15
		With Scenario 1	19.6	17.0	1.15
		With Scenario 2	19.6	17.0	1.15
Balfour Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.3	17.0	1.13
		With Scenario 1	19.3	17.0	1.13
		With Scenario 2	19.3	17.0	1.13
	SB	Baseline	18.3	17.0	1.07
		With Scenario 1	18.3	17.0	1.07
		With Scenario 2	18.3	17.0	1.07
South of Balfour Road (Basic)	NB	Baseline	90.0	90.0	1.00
		With Scenario 1	90.0	90.0	1.00
		With Scenario 2	90.0	90.0	1.00
	SB	Baseline	90.0	90.0	1.00
		With Scenario 1	90.0	90.0	1.00
		With Scenario 2	90.0	90.0	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 4–4 Existing plus Approved Projects plus Project Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
PM Peak					
SR-4					
North of Lone Tree Way (Basic)	NB	Baseline	11.4	11.4	1.00
		With Scenario 1	11.4	11.4	1.00
		With Scenario 2	11.4	11.4	1.00
	SB	Baseline	15.1	14.8	1.02
		With Scenario 1	15.3	14.8	1.04
		With Scenario 2	15.3	14.8	1.03
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.5	17.0	1.08
		With Scenario 1	18.5	17.0	1.08
		With Scenario 2	18.5	17.0	1.08
	SB	Baseline	20.3	17.0	1.19
		With Scenario 1	20.3	17.0	1.19
		With Scenario 2	20.3	17.0	1.19
Jeffery Way NB On-Ramp (Merge)	NB	Baseline	18.4	17.0	1.08
		With Scenario 1	18.4	17.0	1.08
		With Scenario 2	18.4	17.0	1.08
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.9	17.0	1.17
		With Scenario 1	2.0	17.0	0.12
		With Scenario 2	19.9	17.0	1.17
	SB	Baseline	18.8	17.0	1.10
		With Scenario 1	18.9	17.0	1.11
		With Scenario 2	18.9	17.0	1.11
Lone Tree Way to Sand Creek Road (Basic)	NB	Baseline	3.4	3.4	1.00
		With Scenario 1	3.4	3.4	1.00
		With Scenario 2	3.4	3.4	1.00
	SB	Baseline	9.7	9.7	1.00
		With Scenario 1	9.7	9.7	1.00
		With Scenario 2	9.7	9.7	1.00
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.7	17.0	1.09
		With Scenario 1	18.7	17.0	1.09
		With Scenario 2	18.7	17.0	1.09
	SB	Baseline	20.1	17.0	1.18
		With Scenario 1	20.3	17.0	1.19
		With Scenario 2	20.3	17.0	1.19
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.3	17.0	1.13
		With Scenario 1	19.4	17.0	1.14
		With Scenario 2	19.4	17.0	1.14
	SB	Baseline	18.3	17.0	1.07
		With Scenario 1	18.3	17.0	1.07
		With Scenario 2	18.3	17.0	1.07
Sand Creek Road to Balfour Road (Basic)	NB	Baseline	31.8	31.8	1.00
		With Scenario 1	31.8	31.8	1.00
		With Scenario 2	31.8	31.8	1.00
	SB	Baseline	30.1	30.1	1.00
		With Scenario 1	30.1	30.1	1.00
		With Scenario 2	30.1	30.1	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 4–4 Existing plus Approved Projects plus Project Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
PM Peak					
SR-4					
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.3	17.0	1.07
		With Scenario 1	18.3	17.0	1.07
		With Scenario 2	18.3	17.0	1.07
	SB	Baseline	19.4	17.0	1.14
		With Scenario 1	19.4	17.0	1.14
		With Scenario 2	19.4	17.0	1.14
Balfour Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.7	17.0	1.16
		With Scenario 1	19.7	17.0	1.16
		With Scenario 2	19.7	17.0	1.16
	SB	Baseline	18.4	17.0	1.08
		With Scenario 1	18.4	17.0	1.08
		With Scenario 2	18.4	17.0	1.08
South of Balfour Road (Basic)	NB	Baseline	90.0	90.0	1.00
		With Scenario 1	90.0	90.0	1.00
		With Scenario 2	90.0	90.0	1.00
	SB	Baseline	90.0	90.0	1.00
		With Scenario 1	90.0	90.0	1.00
		With Scenario 2	90.0	90.0	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.

(b) Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

5 CUMULATIVE TRAFFIC CONDITIONS

Cumulative Conditions were derived from the latest unconstrained CCTA travel demand model.

5.1 CUMULATIVE LANE CONFIGURATIONS AND TRAFFIC CONTROL

Under Cumulative (2040) Conditions the following circulation improvements are included:

- SR-4 at Balfour Road Interchange (grade-separated)
- Extension of Sand Creek Road to Heidorn Ranch Road (within the boundaries of this project)
- Extension of Sand Creek Road over to Hillcrest Avenue and Deer Valley Road within Antioch
- Widening of Heidorn Ranch Road to four lanes

It is understood that the circulation in the area of the vacant property to the north will be developed over time, but at this time, the circulation infrastructure is unknown and will therefore not be included under this scenario. No additional roadway improvements were identified that are expected to be completed by 2040.

Figure 5-1 illustrates the intersection geometry and traffic control assumed under Cumulative Conditions.

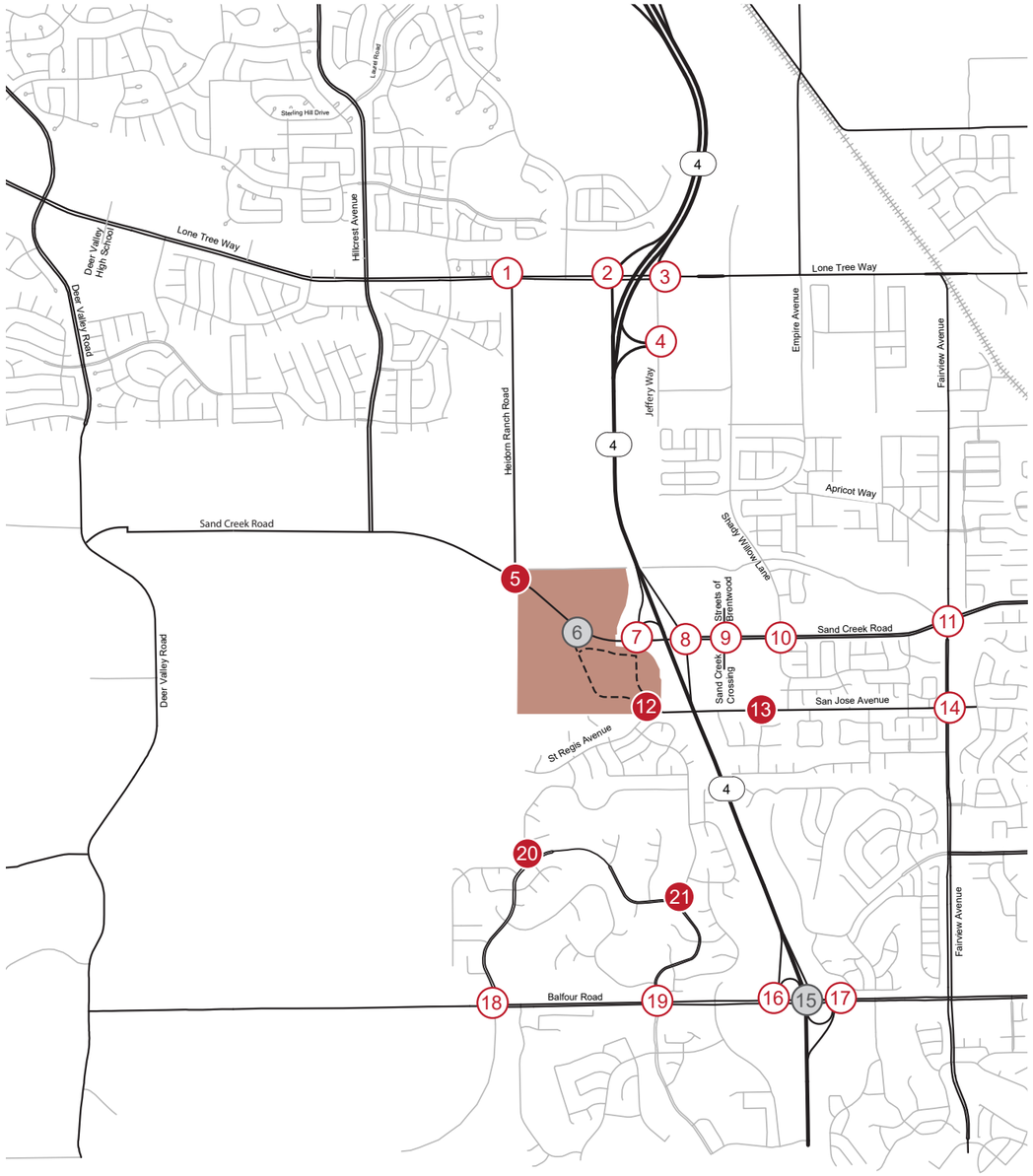
5.2 YEAR 2040 FORECAST MODEL VOLUMES

Year 2040 roadway link volumes from the Contra Costa Transportation Authority (CCTA) travel demand model was obtained from CCTA staff and are provided in **Appendix I**. The model was used to plot bi-directional AM and PM peak-hour traffic volumes on each segment along roadways within the study area. Model output was used to compare year 2015 and year 2040 model forecasts to determine the annual incremental growth in traffic volumes at study intersections. Year 2040 turning movement volumes were calculated by applying the growth increment to the current year (2017) traffic count volumes. Final adjusted forecast volumes were then converted to cumulative conditions intersection turning movement volumes using a traffic modeling standard process commonly referred to as the Furness method. The Furness method uses an iterative process to derive future turning movement volumes based on future year roadway link volumes and an initial estimate of turning percentages (obtained from the 2017 intersection turning movement counts). A final check was performed to ensure cumulative volumes are equal to or greater than existing plus approved projects volumes. The resulting traffic volumes represent Cumulative (2040) conditions and are presented in **Figure 5-2.**

5.3 PROJECT TRIP DISTRIBUTION

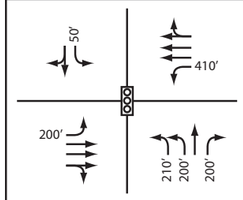
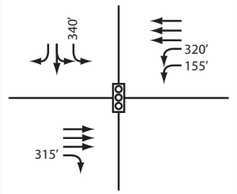
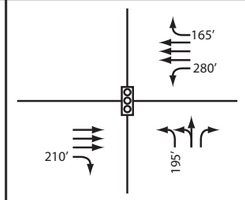
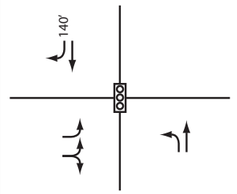
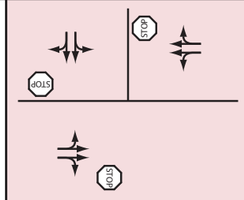
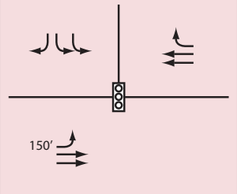
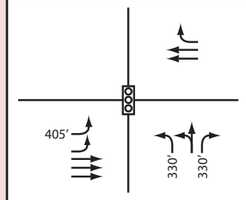
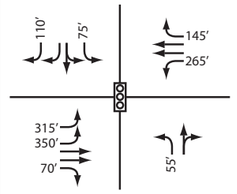
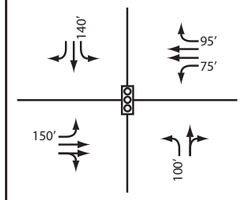
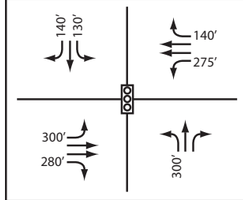
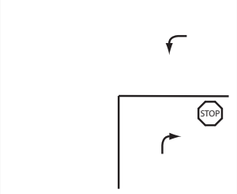
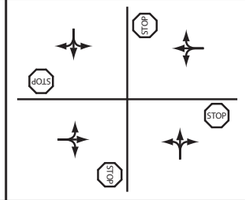
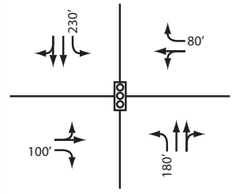
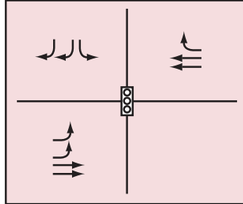
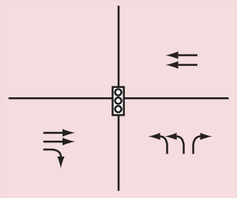
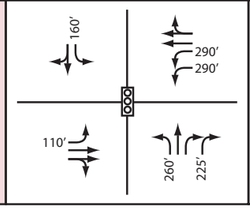
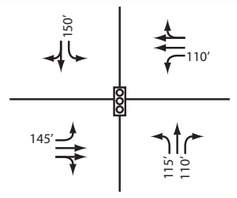
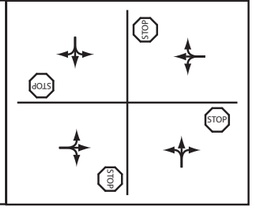
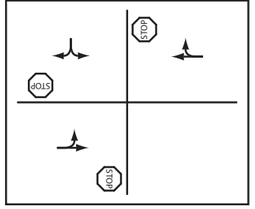
Project distribution would be different under Cumulative Conditions as the surrounding land uses and roadway network develop and change over time. A separate distribution pattern was prepared based on information obtained from the CCTA travel forecast model. **Figure 5-3** presents the traffic distribution assumed for this analysis. Based on the assumed trip distribution, new vehicle trips generated by the project were assigned to the street network as shown in **Figure 5-4** and **Figure 5-5.** The figures represent the total trips on the network, including pass-by and internal capture reductions for the two development scenarios.

Additional project distribution information is provided in **Appendix C**.



N

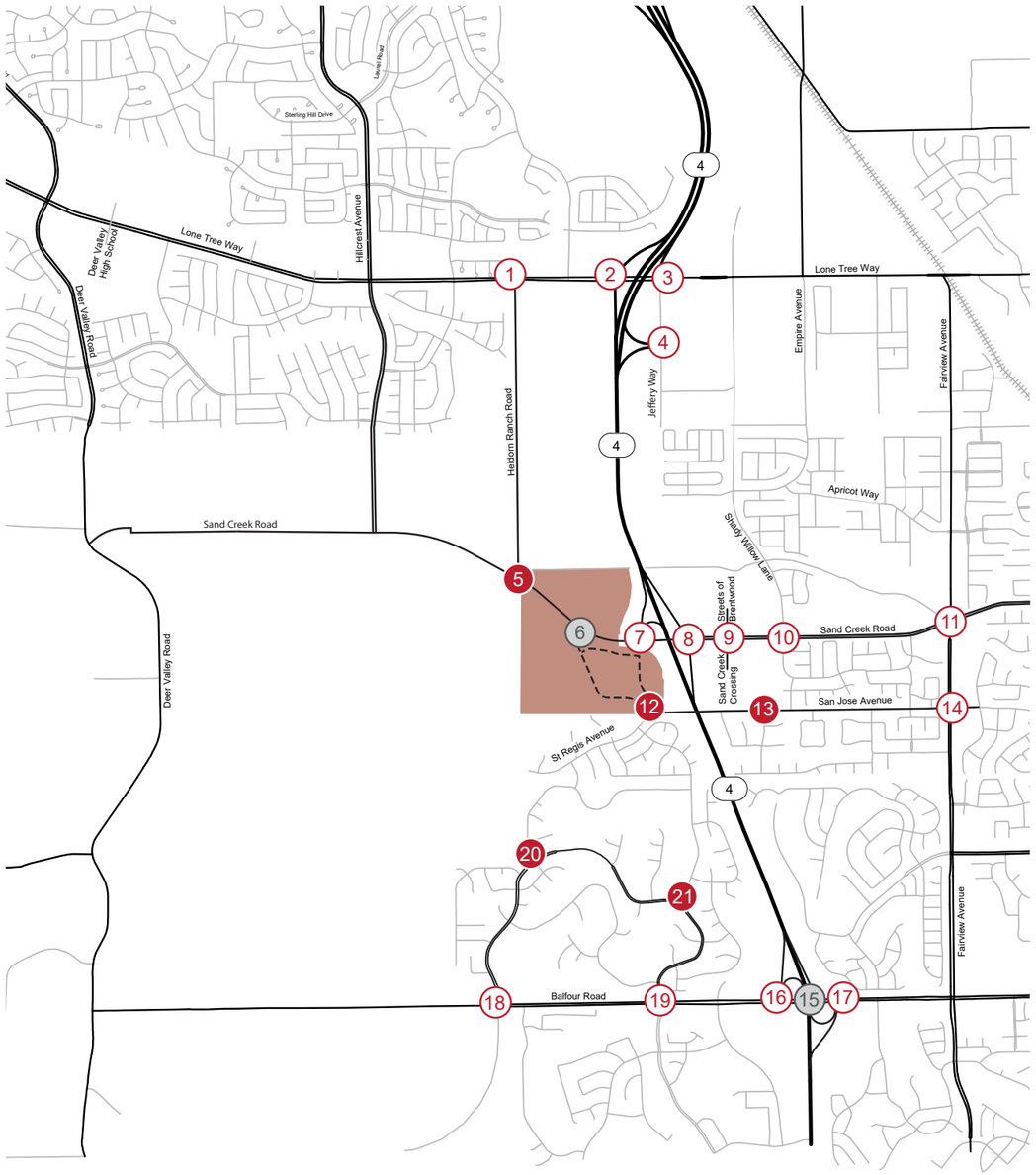
NOT TO SCALE

1. Lone Tree Wy/ Heidorn Ranch Rd/Fairside Wy	2. Lone Tree Wy/ SR-4 EB Ramps	3. Lone Tree Wy/ Jeffery Wy/SR-4 WB On-Ramp	4. SR-4 WB Ramps/ Jeffery Wy	5. Sand Creek Rd/ Heidorn Ranch Rd
				
6. Sand Creek Rd/ San Jose Ave	7. Sand Creek Rd/ SR-4 EB Ramps	8. Sand Creek Rd/ SR-4 WB Ramps	9. Sand Creek Rd/ Sand Creek Crossing	10. Sand Creek Rd/ Shady Willow Ln/Highland Wy
Intersection does not exist under this scenario				
11. Sand Creek Rd/ Fairview Ave	12. San Jose Ave/ St. Regis Ave/Wose Wood Dr	13. San Jose Ave/ Portofino Dr	14. San Jose Ave/ Fairview Ave	15. Balfour Rd/ SR-4
				Intersection does not exist under this scenario
16. Balfour Rd/ SR-4 EB Ramps	17. Balfour Rd/ SR-4 WB Ramps	18. Balfour Rd/ American Ave/W Country Club Dr	19. Balfour Rd/ Foothill Dr/E Country Club Dr	20. W Country Club Dr/ Presidio Dr
				
21. E Country Club Dr/ Roundhill Dr				
				

Legend:

Signalized	XX′ Storage Length
Unsignalized	Project Road
Does Not Exist	Project Site

Figure 5-1
Cumulative Conditions Lane Geometry and Traffic Control



1

	9 / 20	
	7 / 6	
19 / 25	19 / 26	19 / 25
1511 / 1761	Fairside Way	1359 / 1834
68 / 194		60 / 125
		Lone Tree Way
19 / 25		60 / 205
1511 / 1761	Heidorn Ranch Rd	5 / 11
68 / 194		94 / 243

2

858 / 1029		
13 / 3		
983 / 728	SR-4 EB Off-Ramp	1312 / 1874
		220 / 222
		Lone Tree Way
1421 / 1870		
824 / 989	SR-4 EB On-Ramp	

3

	SR-4 WB On-Ramp	735 / 604
		898 / 1163
		73 / 27
		Lone Tree Way
1181 / 2013		759 / 956
661 / 661	Jeffery Way	64 / 68
		463 / 429

4

	647 / 647	
	4 / 4	
	Jeffery Way	
SR-4 WB Ramps		
1249 / 1220		1 / 1
34 / 34		3 / 3

5

48 / 88		23 / 19
	Heidorn Ranch Rd	278 / 343
152 / 124		Sand Creek Rd
17 / 25		
190 / 715		

6

Intersection does not exist under this scenario

7

57 / 102		173 / 243
1081 / 1941	SR-4 SB Ramps	244 / 260
		Sand Creek Rd
104 / 146		
238 / 693		

8

	SR-4 NB On-Ramp	944 / 1048
		362 / 458
		Sand Creek Rd
356 / 383		
963 / 2251	SR-4 NB Off-Ramp	55 /45
		156 /315

9

100 /354		106 / 180
23 /77		876 / 757
57 /164	Streets of Brentwood	42 / 107
		Sand Creek Rd
139 / 422		
818 / 1339	Sand Creek Crossing	146 / 188
118 / 280		41 /68
		36 /89

10

166 /281		231 / 138
116 /105		902 / 932
252 /202	Shady Willow Ln	22 / 20
		Sand Creek Rd
163 / 333		
791 / 1384	Highland Way	84 /67
55 / 97		99 /78
		19 /7

11

80 /96		58 / 84
353 /368		737 / 709
91 /134	Fairview Ave	183 / 131
		Sand Creek Rd
46 / 148		
703 / 987		474 /427
355 / 590		296 /330
		204 / 149

12

		432 / 344
		San Jose Ave
	St. Regis Ave	288 /275

13

28 / 0		1 / 11
2 / 3		400 / 293
78 / 7	Dwy	15 / 39
		San Jose Ave
0 / 3		
371 / 224	Portofino Drive	34 / 5
7 / 6		24 / 12

14

137 / 94		100 / 74
606 / 736		87 / 19
60 / 97	Fairview Ave	50 / 19
		San Jose Ave
147 / 103		
55 / 27		154 / 184
176 / 165		582 / 594
		19 / 44

15

Intersection does not exist under this scenario

16

415 / 161		162 / 811
469 / 323	SR-4 SB Ramps	1320 / 1167
		Balfour Rd
339 / 437		
1292 / 713		

17

		2295 / 1695
		Balfour Rd
1647 / 930		
669 / 102	SR-4 NB Ramps	174 / 488
		77 / 610

18

12 / 254		242 / 99
471 / 103		460 / 269
256 / 136	W Country Club Dr	791 / 212
		Balfour Rd
26 / 269		
332 / 401		123 / 144
354 / 152		213 / 90
	American Ave	728 / 192

19

253 / 24		77 / 212
148 / 44		965 / 577
258 / 156	E Country Club Dr	65 / 152
		Balfour Rd
53 / 23		
973 / 662		212 / 37
122 / 51		108 / 24
	Foothill Dr	113 / 84

20

282 / 165		5 / 5
11 / 10		34 / 26
9 / 3	Presidio Drive	4 / 1
		W Country Club Dr
96 / 137		
28 / 33		3 / 4
		5 / 7
		3 / 3

21

12 / 20		105 / 95
139 / 93	Roundhill Dr	35 / 40
		E Country Club Dr
21 / 27		
84 / 33		

Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 5-2
Cumulative Conditions Peak Hour Turning Movement Volumes

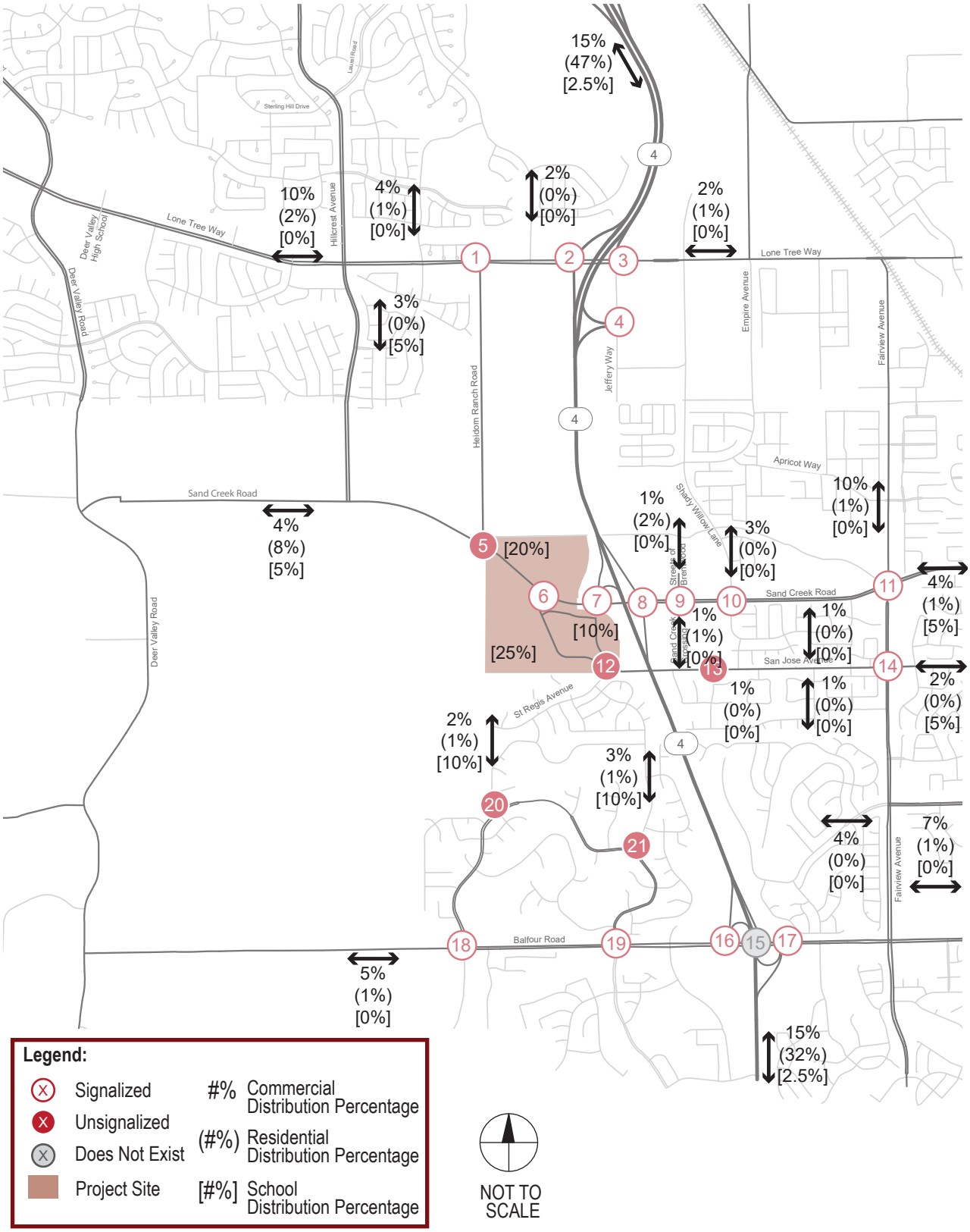
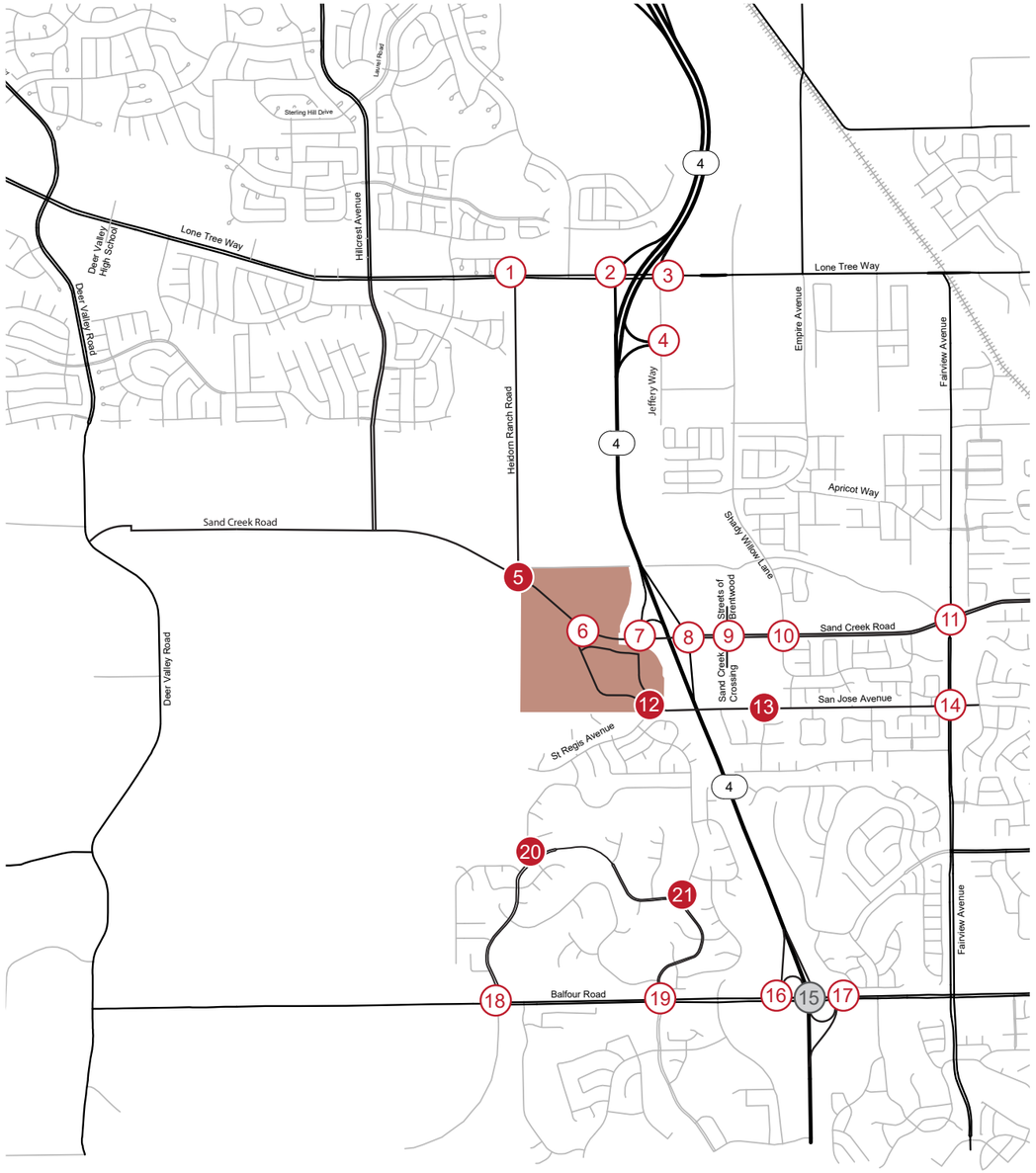


Figure 5-3
Project Trip Distribution (Cumulative Conditions)



1

	Fairside Way ⇦ 14 / 33	Lone Tree Way
13 / 35 ⇨	Heidorn Ranch Rd	

2

	SR-4 EB Off-Ramp ⇦ 16 / 41, ⇖ 4 / 10	Lone Tree Way
16 / 42 ⇗	SR-4 EB On-Ramp	

3

	SR-4 WB On-Ramp ⇦ 4 / 10	Lone Tree Way
Jeffery Way ⇗ 16 / 41, ⇘ 5 / 10		

4

	Jeffery Way	
SR-4 WB Ramps 20 / 51 ⇦		

5

	Heidorn Ranch Rd ⇦ 29 / 69	Sand Creek Rd
27 / 74 ⇨		

6

18 / 92, 28 / 77, 111 / 344 ⇦	San Jose Ave ⇗ 125 / 407, ⇖ 0 / -31, ⇖ 56 / 162	Sand Creek Rd
22 / 64, 0 / -3, 5 / 15 ⇩		⇗ 11 / 10, ⇧ 14 / 37, ⇖ 139 / 109

7

79 / 244 ⇦	SR-4 SB Ramps ⇧ 102 / 294	Sand Creek Rd
86 / 154, 164 / 295 ⇩		

8

	SR-4 NB On-Ramp ⇦ 39 / 106	Sand Creek Rd
128 / 188, 36 / 107 ⇩	SR-4 NB Off-Ramp ⇗ 63 / 187	

9

3 / 10 ⇦	Streets of Brentwood ⇦ 34 / 90	Sand Creek Rd
7 / 7, 26 / 94, 4 / 6 ⇩	Sand Creek Crossing ⇗ 2 / 7	

10

4 / 11 ⇦	Shady Willow Ln ⇦ 30 / 79	Sand Creek Rd
3 / 12, 23 / 82 ⇩	Highland Way	

11

15 / 40 ⇦	Fairview Ave ⇧ 7 / 18	Sand Creek Rd
12 / 42, 6 / 18, 4 / 20 ⇩	⇗ 7 / 18	

12

47 / 28, 19 / 3, 3 / 2 ⇦	Rose Wood Dr ⇗ 1 / 3, ⇧ 7 / 18	San Jose Ave
14 / 50, 4 / 20, 60 / 20 ⇩	St. Regis Ave ⇗ 7 / 18, ⇧ 2 / 6	

13

	Dwy ⇦ 7 / 18	San Jose Ave
6 / 18, 1 / 4 ⇩	Portofino Drive ⇦ 1 / 4	

14

3 / 16, 1 / 4 ⇦	Fairview Ave ⇗ 1 / 4, ⇧ 1 / 4	San Jose Ave
1 / 4, 5 / 10 ⇩		⇧ 4 / 10, ⇖ 6 / 15

15

Intersection does not exist under this scenario

16

7 / 22, 4 / 20 ⇦	SR-4 SB Ramps	Balfour Rd
28 / 0, 44 / 21 ⇩		

17

		⇦ 7 / 18 Balfour Rd
44 / 21 ⇨	SR-4 NB Ramps	

18

1 / 4, 42 / 0 ⇦	W Country Club Dr ⇦ 8 / 26, ⇖ 28 / 0	Balfour Rd
1 / 4, 9 / 25 ⇩	American Ave ⇗ 6 / 0, ⇧ 64 / 0	

19

29 / 4 ⇦	E Country Club Dr ⇦ 7 / 22	Balfour Rd
1 / 4, 72 / 21 ⇩	Foothill Dr	

20

15 / 4 ⇦	Presidio Drive ⇦ 28 / 0	W Country Club Dr
1 / 4 ⇩		

21

28 / 0 ⇦	Roundhill Dr ⇦ 1 / 4	E Country Club Dr
29 / 4 ⇨		

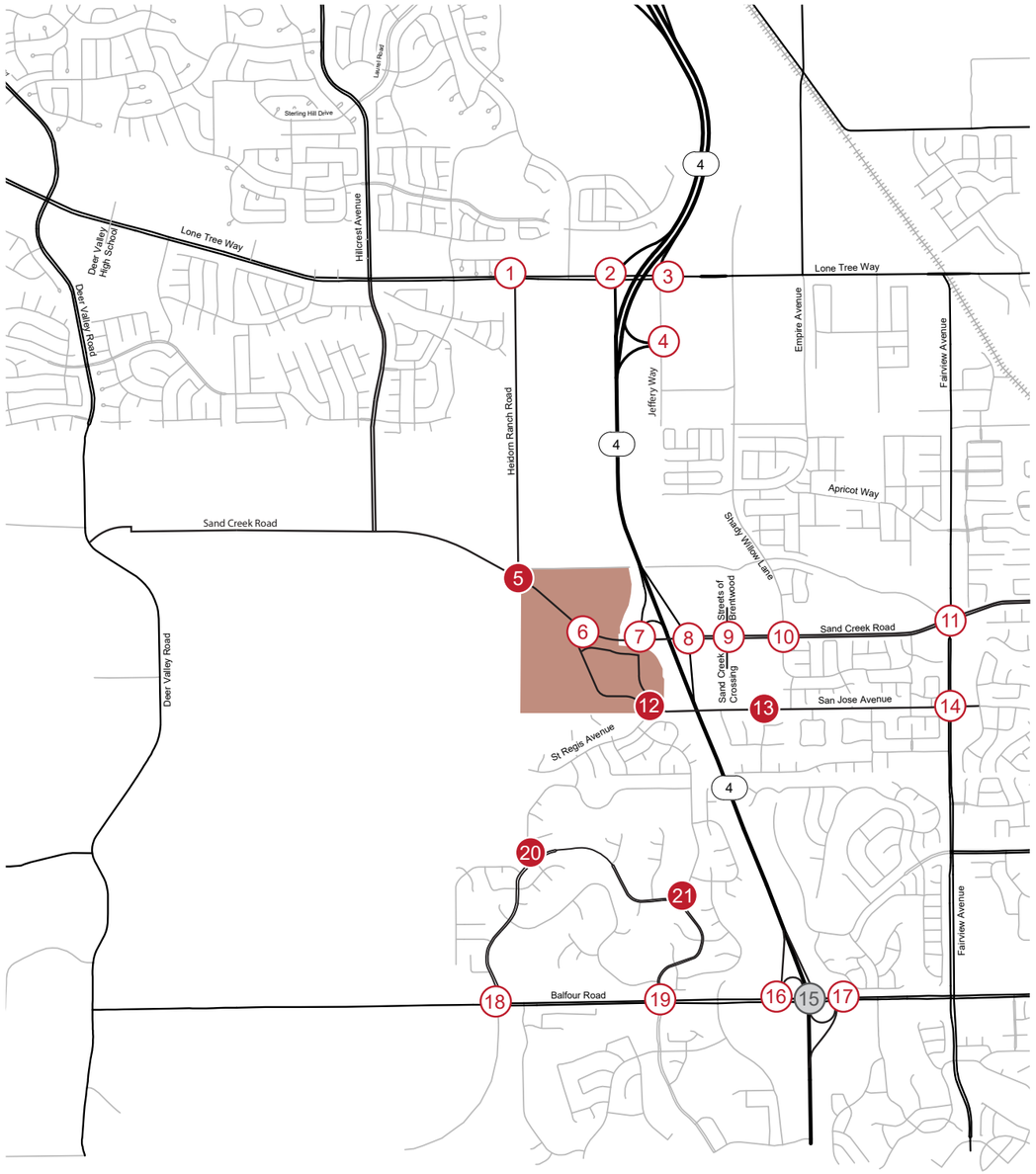
Legend:

- (X) Signalized
- X Unsignalized
- (X) Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 5-4

Total Project Generated Traffic Volumes for Development Scenario 1 (Cumulative Conditions)



1

	Fairside Way ⇦	13 / 32
		Lone Tree Way
12 / 34 ⇩	Heidorn Ranch Rd	

2

	SR-4 EB Off-Ramp ⇦ ⇦	15 / 40 4 / 10
		Lone Tree Way
15 / 41 ⇨	SR-4 EB On-Ramp	

3

	SR-4 WB On-Ramp ⇦	4 / 10
		Lone Tree Way
	Jeffery Way ⇨ ⇨	15 / 40 4 / 9

4

	Jeffery Way	
SR-4 WB Ramps ⇨		

5

	11 / 3 ⇦ Heidorn Ranch Rd ⇦	9 / 3 36 / 71
		Sand Creek Rd
37 / 75 ⇩		

6

	17 / 92 71 / 90 105 / 340 ⇦ ⇩ ⇦ San Jose Ave	123 / 399 0 / -31 71 / 146 ⇦ ⇦ ⇦
		Sand Creek Rd
21 / 63 0 / -3 26 / 19 ⇨ ⇩ ⇨		28 / 16 50 / 51 141 / 104 ⇨ ⇨ ⇨

7

	80 / 228 ⇩ SR-4 SB Ramps	115 / 286 ⇦
		Sand Creek Rd
83 / 149 163 / 289 ⇨ ⇨		

8

	SR-4 NB On-Ramp	50 / 107 ⇦
		Sand Creek Rd
120 / 180 43 / 109 ⇩ ⇩	SR-4 NB Off-Ramp	65 / 178 ⇩

9

	2 / 9 ⇩ Streets of Brentwood	44 / 92 ⇦
		Sand Creek Rd
6 / 7 34 / 97 3 / 5 ⇩ ⇩ ⇩	Sand Creek Crossing	2 / 7 ⇩

10

	4 / 11 ⇩ Shady Willow Ln	40 / 81 ⇦
		Sand Creek Rd
3 / 12 31 / 85 ⇩ ⇩	Highland Way	

11

	15 / 40 ⇩ Fairview Ave	11 / 19 ⇦
		Sand Creek Rd
11 / 41 9 / 18 4 / 20 ⇩ ⇩ ⇩		7 / 18 ⇩

12

	42 / 25 53 / 17 11 / 4 ⇩ ⇩ ⇩ Rose Wood Dr	12 / 6 7 / 18 ⇦ ⇩
		San Jose Ave
13 / 44 4 / 20 53 / 20 ⇩ ⇩ ⇩	St. Regis Ave	7 / 18 ⇩ ⇦ 46 / 18

13

	Dwy	18 / 21 ⇦
		San Jose Ave
14 / 20 1 / 4 ⇩ ⇩	Portofino Drive	1 / 4 ⇩

14

	3 / 16 1 / 4 ⇩ ⇩ Fairview Ave	1 / 4 5 / 5 ⇦ ⇦
		San Jose Ave
5 / 5 4 / 9 ⇩ ⇩		4 / 10 6 / 15 ⇩ ⇩

15

Intersection does not exist under this scenario

16

	6 / 21 4 / 20 ⇩ ⇩ SR-4 SB Ramps	Balfour Rd
25 / 0 40 / 21 ⇩ ⇩		

17

		7 / 18 ⇦
		Balfour Rd
40 / 21 ⇩	SR-4 NB Ramps	

18

	1 / 4 37 / 0 ⇦ ⇩ W Country Club Dr	7 / 25 25 / 0 ⇦ ⇦
		Balfour Rd
1 / 4 9 / 25 ⇨ ⇨	American Ave	5 / 0 56 / 0 ⇨ ⇨

19

	26 / 4 ⇩ E Country Club Dr	6 / 21 ⇦
		Balfour Rd
1 / 4 64 / 21 ⇨ ⇨	Foothill Dr	

20

	22 / 7 ⇩ Presidio Drive	25 / 0 ⇦
		W Country Club Dr
12 / 7 ⇨		

21

	25 / 0 35 / 7 ⇩ ⇩ Roundhill Dr	12 / 7 ⇦
		E Country Club Dr

Legend:

- (X) Signalized
- X Unsignalized
- (X) Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 5-5

Total Project Generated Traffic Volumes for Development Scenario 2 (Cumulative Conditions)

5.4 CUMULATIVE INTERSECTION LOS

Cumulative traffic volumes were evaluated at study intersections. As shown in **Table 5-1,** the following intersections would operate below acceptable LOS under Cumulative Conditions:

- #2 – SR-4 at Lone Tree Way
  - AM (LOS F) and PM (LOS F) Peaks
- #11 – Fairview Avenue at Sand Creek Road
  - AM (LOS E) and PM (LOS F) Peaks
- #14 – Fairview Avenue at San Jose Avenue
  - PM (LOS E) Peak
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (LOS F) Peak

The intersections listed above would operate below acceptable thresholds regardless of the proposed project. Analysis sheets are provided in the **Appendix J.**

5.5 CUMULATIVE FREEWAY ANALYSIS

Cumulative volumes were evaluated at SR-4. Results are presented in **Table 5-2.** As shown in the Table, SR-4 between Lone Tree Way and Balfour Rad would function within acceptable standards under Cumulative Conditions.

Analysis sheets are provided in the **Appendix J.**

Table 5–1 Cumulative Intersection LOS Summary

#	Intersection	Traffic Control	Peak Hour	Delay (a)	LOS
1	Lone Tree Way / Heidorn Ranch Road/Fairside Way	Signal	AM	12.5	B
			PM	26.1	C
2	Lone Tree Way / SR-4 SB Ramps	Signal	AM	108.1	**F**
			PM	137.2	**F**
3	Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp	Signal	AM	39.5	D
			PM	28.3	C
4	Jeffrey Way / SR-4 NB Ramps	Signal	AM	49.1	D
			PM	47.2	D
5	Sand Creek Road / Heidorn Ranch Road (Future	SSSC	AM	*Intersection does not exist in this scenario*	
			PM		
6	Sand Creek Road / San Jose Avenue (Future)	Signal	AM	*Intersection does not exist in this scenario*	
			PM		
7	Sand Creek Road / SR-4 SB Ramps	Signal	AM	14.3	B
			PM	39.1	D
8	Sand Creek Road / SR-4 NB Ramps	Signal	AM	15.8	B
			PM	35.0	D
9	Sand Creek Road / Sand Creek Crossing/Streets of Brentwood	Signal	AM	18.1	B
			PM	37.2	D
10	Sand Creek Road / Shady Willow Lane/Highland Way	Signal	AM	23.6	C
			PM	43.8	D
11	Sand Creek Road / Fairview Avenue	Signal	AM	71.1	**E**
			PM	89.4	**F**
12	San Jose Avenue / St. Regis Avenue	SSSC	AM	0.0	A
			PM	0.0	A
13	San Jose Avenue / Portofino Drive	SSSC	AM	15.1	C
			PM	10.2	B
14	San Jose Avenue/ Fairview Avenue	Signal	AM	54.7	D
			PM	65.4	**E**
15	Balfour Road / SR-4	Signal	AM	*Intersection does not exist in this scenario*	
			PM		
16	Balfour Road / SR-4 SB Ramps (Future)	Signal	AM	29.9	C
			PM	47.4	D
17	Balfour Road / SR-4 NB Ramps (Future)	Signal	AM	7.2	A
			PM	43.5	D
18	Balfour Road / American Avenue / West Country Club Drive	Signal	AM	88.2	**F**
			PM	23.1	C
19	Balfour Road / Foothill Drive / E Country Club Drive	Signal	AM	45.4	D
			PM	16.9	B
20	West Country Club / Presidio Drive	AWSC	AM	8.9	B
			PM	8.4	A
21	East Country Club / Roundhill Drive	AWSC	AM	8.4	A
			PM	7.9	A

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds.

(a) Delay is measured in seconds.

Table 5–2 Cumulative Routes of Regional Significance Travel Time Summary

Facility	Direction	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak				
SR-4				
North of Lone Tree Way (Basic)	NB	11.6	11.4	1.02
	SB	17.2	14.8	1.17
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	19.4	17.0	1.14
	SB	20.3	17.0	1.19
Jeffery Way NB On-Ramp (Merge)	NB	18.8	17.0	1.10
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.9	17.0	1.17
	SB	19.4	17.0	1.14
Lone Tree Way to Sand Creek Road (Basic)	NB	3.4	3.4	1.01
	SB	9.9	9.7	1.02
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	19.4	17.0	1.14
	SB	19.9	17.0	1.17
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.3	17.0	1.13
	SB	18.6	17.0	1.09
Sand Creek Road to Balfour Road (Basic)	NB	31.8	31.8	1.00
	SB	30.1	30.1	1.00
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.5	17.0	1.08
	SB	19.7	17.0	1.15
Balfour Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.3	17.0	1.13
	SB	18.5	17.0	1.08
South of Balfour Road (Basic)	NB	90.0	90.0	1.00
	SB	90.0	90.0	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

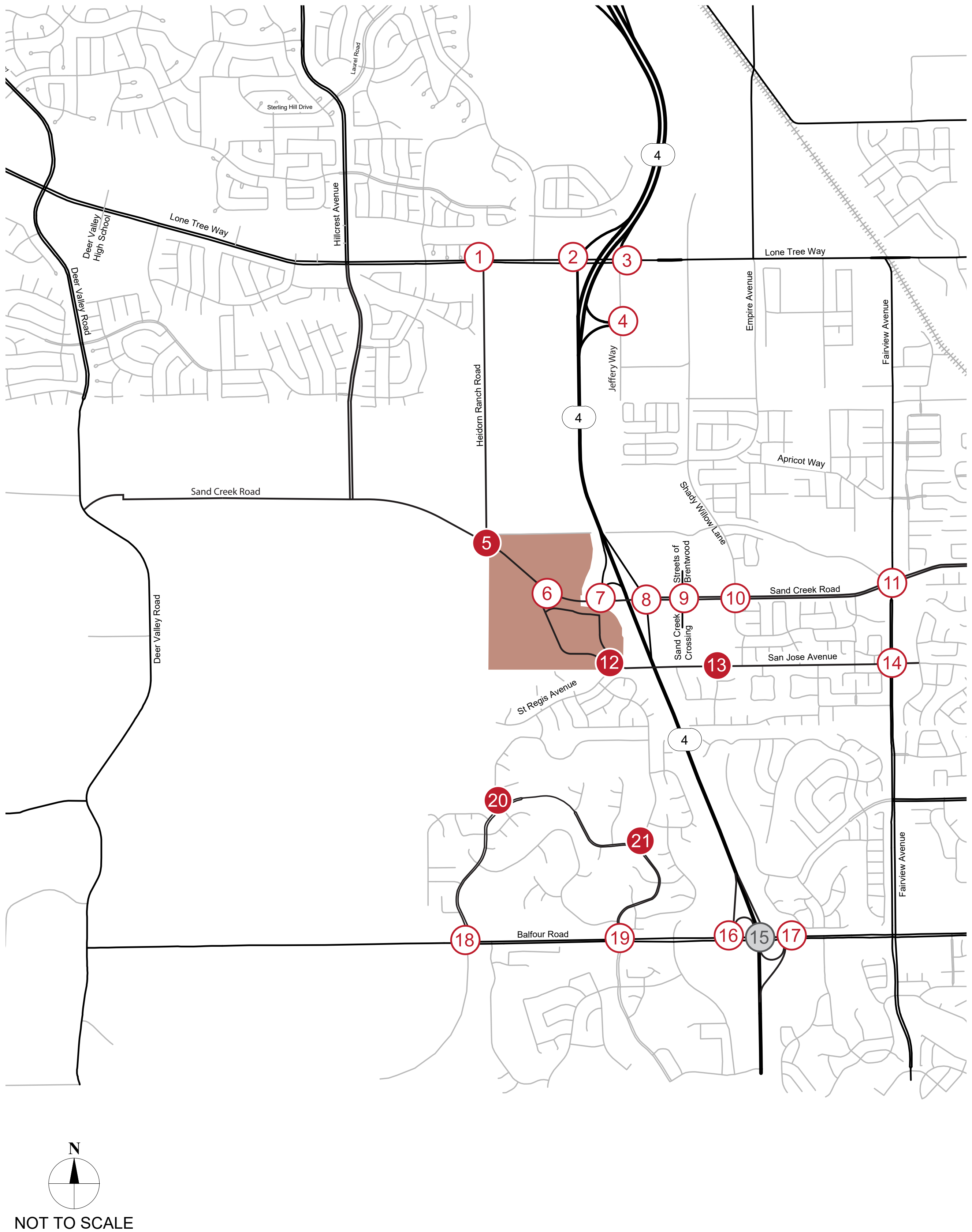
(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 5–2 Cumulative Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Direction	Travel Time (a)	Free-Flow Time (a)	Delay Index
PM Peak				
SR-4				
North of Lone Tree Way (Basic)	NB	11.4	11.4	1.00
	SB	17.3	14.8	1.17
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.8	17.0	1.10
	SB	20.3	17.0	1.19
Jeffery Way NB On-Ramp (Merge)	NB	18.5	17.0	1.09
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.9	17.0	1.17
	SB	20.1	17.0	1.18
Lone Tree Way to Sand Creek Road (Basic)	NB	3.4	3.4	1.00
	SB	10.5	9.7	1.08
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	19.0	17.0	1.11
	SB	20.0	17.0	1.17
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.3	17.0	1.13
	SB	18.5	17.0	1.09
Sand Creek Road to Balfour Road (Basic)	NB	31.8	31.8	1.00
	SB	30.2	30.1	1.00
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	18.3	17.0	1.08
	SB	19.4	17.0	1.14
Balfour Road NB Off Ramp (Diverge) / SB On-Ramp (Merge)	NB	19.8	17.0	1.16
	SB	19.0	17.0	1.11
South of Balfour Road (Basic)	NB	90.0	90.0	1.00
	SB	90.6	90.0	1.01

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.



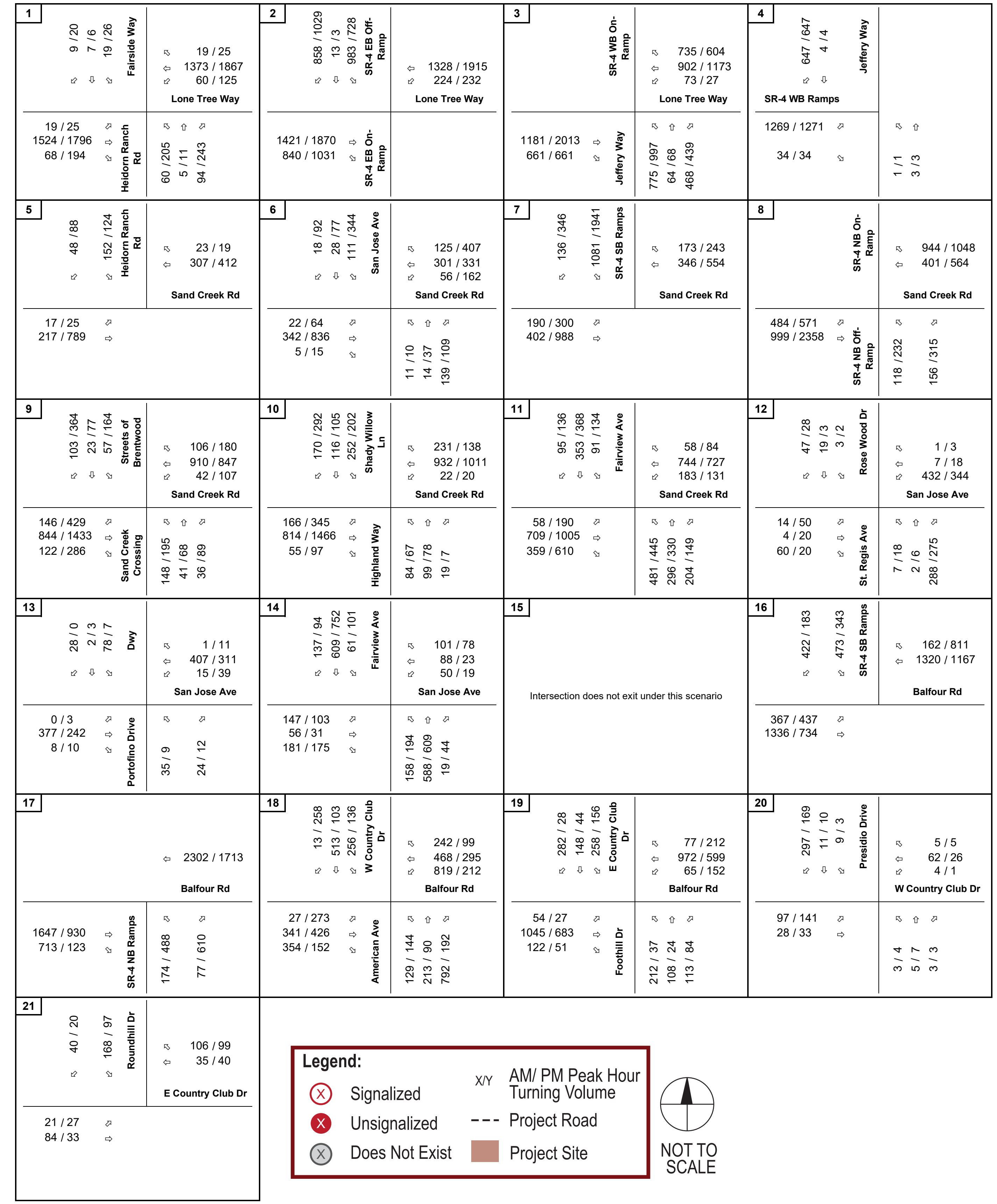
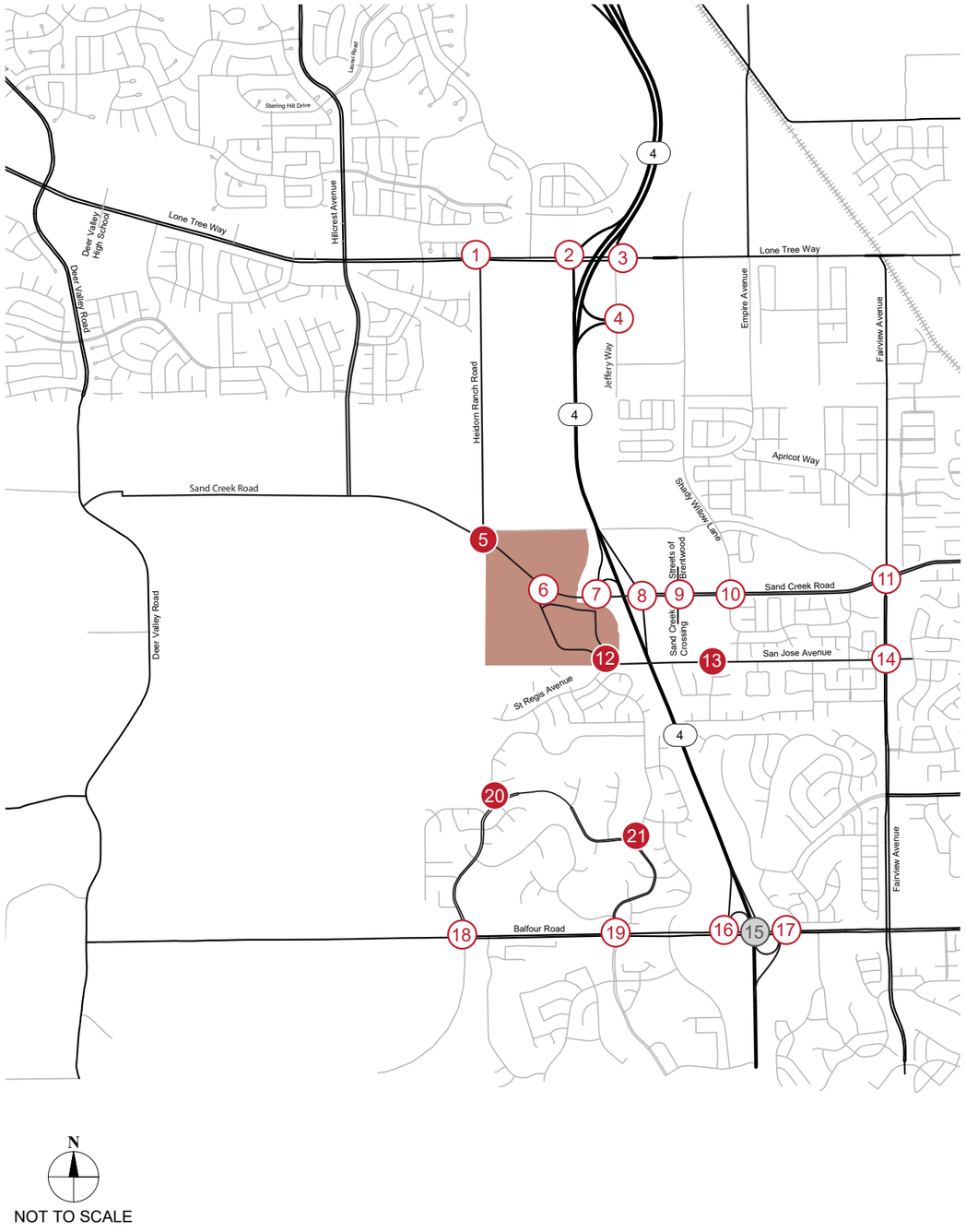


Figure 5-6

Cumulative Plus Project Conditions Peak Hour Turning Movement Volumes for Development Scenario 1



1

	9 / 20 7 / 6 19 / 26	Fairside Way
		19 / 25 1372 / 1866 60 / 125 Lone Tree Way
19 / 25 1523 / 1795 68 / 194	Heidorn Ranch Rd	60 / 205 5 / 11 94 / 243

2

	858 / 1029 13 / 3 983 / 728	SR-4 EB Off-Ramp
		1327 / 1914 224 / 232 Lone Tree Way
1421 / 1870 839 / 1030	SR-4 EB On-Ramp	

3

		SR-4 WB On-Ramp
		735 / 604 902 / 1173 73 / 27 Lone Tree Way
1181 / 2013 661 / 661	Jeffery Way	774 / 996 64 / 68 467 / 438

4

	647 / 647 4 / 4	Jeffery Way
1268 / 1270 34 / 34	SR-4 WB Ramps	1 / 1 3 / 3

5

48 / 88		
163 / 127	Heidorn Ranch Rd	32 / 22 314 / 414 Sand Creek Rd
17 / 25 227 / 790		

6

17 / 92 71 / 90 105 / 340	San Jose Ave	123 / 399 301 / 331 71 / 146 Sand Creek Rd
21 / 63 342 / 836 26 / 19		28 / 16 50 / 51 141 / 104

7

137 / 330		
1081 / 1941	SR-4 SB Ramps	173 / 243 359 / 546 Sand Creek Rd
187 / 295 401 / 982		

8

		SR-4 NB On-Ramp
		944 / 1048 412 / 565 Sand Creek Rd
476 / 563 1006 / 2360	SR-4 NB Off-Ramp	120 / 223 156 / 315

9

102 / 363 23 / 77 57 / 164	Streets of Brentwood	
		106 / 180 920 / 849 42 / 107 Sand Creek Rd
145 / 429 852 / 1436 121 / 285	Sand Creek Crossing	148 / 195 41 / 68 36 / 89

10

170 / 292 116 / 105 252 / 202	Shady Willow Ln	
		231 / 138 942 / 1013 22 / 20 Sand Creek Rd
166 / 345 822 / 1469 55 / 97	Highland Way	84 / 67 99 / 78 19 / 7

11

95 / 136 353 / 368 91 / 134	Fairview Ave	
		58 / 84 748 / 728 183 / 131 Sand Creek Rd
57 / 189 712 / 1005 359 / 610		481 / 445 296 / 330 204 / 149

12

42 / 25 53 / 17 11 / 4	Rose Wood Dr	
		12 / 6 7 / 18 432 / 344 San Jose Ave
13 / 44 4 / 20 53 / 20	St. Regis Ave	7 / 18 46 / 18 288 / 275

13

28 / 0 2 / 3 78 / 7	Dwy	
		1 / 11 418 / 314 15 / 39 San Jose Ave
0 / 3 385 / 244 8 / 10	Portofino Drive	35 / 9 24 / 12

14

137 / 94 609 / 752 61 / 101	Fairview Ave	
		101 / 78 92 / 24 50 / 19 San Jose Ave
147 / 103 60 / 32 180 / 174		158 / 194 588 / 609 19 / 44

15

Intersetion does not exist under this scenario

16

421 / 182		
473 / 343	SR-4 SB Ramps	162 / 811 1320 / 1167 Balfour Rd
364 / 437 1332 / 734		

17

		2302 / 1713 Balfour Rd
1647 / 930 709 / 123	SR-4 NB Ramps	174 / 488 77 / 610

18

13 / 258 508 / 103 256 / 136	W Country Club Dr	
		242 / 99 467 / 294 816 / 212 Balfour Rd
27 / 273 341 / 426 354 / 152	American Ave	128 / 144 213 / 90 784 / 192

19

279 / 28 148 / 44 258 / 156	E Country Club Dr	
		77 / 212 971 / 598 65 / 152 Balfour Rd
54 / 27 1037 / 683 122 / 51	Foothill Dr	212 / 37 108 / 24 113 / 84

20

304 / 172 11 / 10 9 / 3	Presidio Drive	
		5 / 5 59 / 26 4 / 1 W Country Club Dr
108 / 144 28 / 33		3 / 4 5 / 7 3 / 3

21

37 / 20 174 / 100	Roundhill Dr	
		117 / 102 35 / 40 E Country Club Dr
21 / 27 84 / 33		

Legend:

- Signalized
- Unsignalized
- Does Not Exist
- X/Y AM/ PM Peak Hour Turning Volume
- Project Road
- Project Site

NOT TO SCALE

Figure 5-7

Cumulative Plus Project Conditions Peak Hour Turning Movement Volumes for Development Scenario 2

5.6 CUMULATIVE PLUS PROJECT INTERSECTION LOS

Cumulative plus Project traffic volumes are presented in **Figure 5-5** and were evaluated at the study intersections. As shown in **Table 5-3**, the following study intersections are forecasted to operate below acceptable LOS:

Development Scenario 1

- # 2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS F) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #7 – SR-4 SB Ramps at Sand Creek Rd
  - PM (Worsened from LOS D to LOS E) Peak – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Worsened from LOS D to LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Increased delay, LOS F) Peaks – Significant Impact

Development Scenario 2

- # 2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS F) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #7 – SR-4 SB Ramps at Sand Creek Rd
  - PM (Worsened from LOS D to LOS E) Peak – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Worsened from LOS D to LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Increased delay, LOS F) Peaks – Significant Impact

Analysis sheets are provided in the **Appendix K.**

5.7 CUMULATIVE PLUS PROJECT FREEWAY ANALYSIS

Traffic operations were evaluated at SR-4 under Cumulative plus Project Conditions. Results of the analysis are presented in **Table 5-4.** As shown in the Table, SR-4 between Lane Tree Way and Balfour Road does function within acceptable standards under Cumulative plus Project Conditions.

Analysis sheets are provided in the **Appendix K.**

Table 5–3 Cumulative plus Project Intersection LOS Summary

#	Intersection	Traffic Control	Peak Hour	Baseline		Plus Project (Scenario 1)			Plus Project (Scenario 2)		
				Delay (a)	LOS	Delay (a)	LOS	Δ (b)	Delay (a)	LOS	Δ (b)
1	Lone Tree Way / Heidorn Ranch Road/Fairside Way	Signal	AM	12.5	B	12.5	B	0.0	12.5	B	0.0
			PM	26.1	C	26.5	C	0.4	26.5	C	0.4
2	Lone Tree Way / SR-4 SB Ramps	Signal	AM	108.1	**F**	109.4	**F**	1.3	109.4	**F**	1.3
			PM	137.2	**F**	142.7	**F**	5.5	142.7	**F**	5.5
3	Lone Tree Way / Jeffrey Way/SR-4 NB Entrance Ramp	Signal	AM	39.5	D	39.9	D	0.4	39.9	D	0.4
			PM	28.3	C	29.5	C	1.2	29.5	C	1.2
4	Jeffrey Way / SR-4 NB Ramps	Signal	AM	49.1	D	50.4	D	1.3	50.4	D	1.3
			PM	47.2	D	50.8	D	3.6	50.6	D	3.4
5	Sand Creek Road / Heidorn Ranch Road (Future	SSSC	AM	*Intersection does not exist in this scenario*		10.9	C	-	10.9	B	-
			PM			29.0	D		29.5	D	
6	Sand Creek Road / San Jose Avenue (Future)	Signal	AM	*Intersection does not exist in this scenario*		9.6	A	-	9.6	A	-
			PM			12.5	B		12.2	B	
7	Sand Creek Road / SR-4 SB Ramps	Signal	AM	14.3	B	20.4	C	6.1	20.4	C	6.1
			PM	39.1	D	70.4	**E**	31.3	68.9	**E**	29.8
8	Sand Creek Road / SR-4 NB Ramps	Signal	AM	15.8	B	28.6	C	12.8	28.6	C	12.8
			PM	35.0	D	53.5	D	18.5	52.5	D	17.5
9	Sand Creek Road / Sand Creek Crossing/Streets of Brentwood	Signal	AM	18.1	B	18.4	B	0.3	18.4	B	0.3
			PM	37.2	D	43.5	D	6.3	43.6	D	6.4
10	Sand Creek Road / Shady Willow Lane/Highland Way	Signal	AM	23.6	C	24.4	C	0.8	24.4	C	0.8
			PM	43.8	D	50.4	D	6.6	50.6	D	6.8
11	Sand Creek Road / Fairview Avenue	Signal	AM	71.1	**E**	72.9	**E**	1.8	72.9	**E**	1.8
			PM	89.4	**F**	96.1	**F**	6.7	96.0	**F**	6.6
12	San Jose Avenue / St. Regis Avenue	SSSC	AM	0.0	A	18.5	C	18.5	18.5	C	18.5
			PM	0.0	A	12.8	B	12.8	13.2	B	13.2
13	San Jose Avenue / Portofino Drive	SSSC	AM	15.1	C	16.2	C	1.1	17.3	C	2.2
			PM	10.2	B	10.5	B	0.3	10.5	B	0.3

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(a) Delay is measured in seconds.

(b) Change in delay due to the addition of project traffic

Table 5–3 Cumulative plus Project Intersection LOS Summary (Cont.)

#	Intersection	Traffic Control	Peak Hour	Baseline		Plus Project (Scenario 1)			Plus Project (Scenario 2)		
				Delay (a)	LOS	Delay (a)	LOS	Δ (b)	Delay (a)	LOS	Δ (b)
14	San Jose Avenue/ Fairview Avenue	Signal	AM	54.7	D	56.9	**E**	2.2	56.9	**E**	2.2
			PM	65.4	**E**	71.0	**E**	5.6	70.9	**E**	5.5
15	Balfour Road / SR-4	Signal	AM	*Intersection does not exist in this scenario*		*Intersection does not exist in this scenario*			*Intersection does not exist in this scenario*		
			PM								
16	Balfour Road / SR-4 SB Ramps (Future)	Signal	AM	29.9	C	31.8	C	1.9	31.8	C	1.9
			PM	47.4	D	50.1	D	2.7	50.1	D	2.7
17	Balfour Road / SR-4 NB Ramps (Future)	Signal	AM	7.2	A	7.3	A	0.1	7.3	A	0.1
			PM	43.5	D	44.4	D	0.9	44.4	D	0.9
18	Balfour Road / American Avenue / West Country Club Drive	Signal	AM	88.2	**F**	94.5	**F**	6.3	94.5	**F**	6.3
			PM	23.1	C	23.7	C	0.6	23.7	C	0.6
19	Balfour Road / Foothill Drive / E Country Club Drive	Signal	AM	45.4	D	54.1	D	8.7	54.1	D	8.7
			PM	16.9	B	17.0	B	0.1	17.0	B	0.1
20	West Country Club / Presidio Drive	AWSC	AM	8.9	B	9.3	A	0.4	9.3	A	0.4
			PM	8.4	A	8.5	A	0.1	8.5	A	0.1
21	East Country Club / Roundhill Drive	AWSC	AM	8.4	A	8.9	A	0.5	8.9	A	0.5
			PM	7.9	A	8.0	A	0.1	8.0	A	0.1

Notes: Signal = Traffic Signal, SSSC = Side Street Stop Control, AWSC = All Way Stop Control. **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(a) Delay is measured in seconds.

(b) Change in delay due to the addition of project traffic

Table 5–4 Cumulative plus Project Routes of Regional Significance Travel Time Summary

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak					
SR-4					
North of Lone Tree Way (Basic)	NB	Baseline	11.6	11.4	1.02
		With Scenario 1	11.6	11.4	1.02
		With Scenario 2	11.7	11.4	1.03
	SB	Baseline	17.2	14.8	1.17
		With Scenario 1	17.3	14.8	1.17
		With Scenario 2	17.1	14.8	1.16
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	19.4	17.0	1.14
		With Scenario 1	19.4	17.0	1.14
		With Scenario 2	19.5	17.0	1.15
	SB	Baseline	20.3	17.0	1.19
		With Scenario 1	20.3	17.0	1.19
		With Scenario 2	20.3	17.0	1.19
Jeffery Way NB On-Ramp (Merge)	NB	Baseline	18.8	17.0	1.10
		With Scenario 1	18.8	17.0	1.10
		With Scenario 2	18.8	17.0	1.10
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.9	17.0	1.17
		With Scenario 1	19.9	17.0	1.17
		With Scenario 2	19.9	17.0	1.17
	SB	Baseline	19.4	17.0	1.14
		With Scenario 1	19.4	17.0	1.14
		With Scenario 2	19.4	17.0	1.14
Lone Tree Way to Sand Creek Road (Basic)	NB	Baseline	3.4	3.4	1.01
		With Scenario 1	3.4	3.4	1.01
		With Scenario 2	3.5	3.4	1.02
	SB	Baseline	9.9	9.7	1.02
		With Scenario 1	9.9	9.7	1.03
		With Scenario 2	9.9	9.7	1.02
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	19.4	17.0	1.14
		With Scenario 1	19.4	17.0	1.14
		With Scenario 2	19.5	17.0	1.15
	SB	Baseline	19.9	17.0	1.17
		With Scenario 1	19.9	17.0	1.17
		With Scenario 2	19.9	17.0	1.17
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.3	17.0	1.13
		With Scenario 1	19.3	17.0	1.13
		With Scenario 2	19.3	17.0	1.13
	SB	Baseline	18.6	17.0	1.09
		With Scenario 1	18.6	17.0	1.09
		With Scenario 2	18.6	17.0	1.09
Sand Creek Road to Balfour Road (Basic)	NB	Baseline	31.8	31.8	1.00
		With Scenario 1	31.8	31.8	1.00
		With Scenario 2	31.8	31.8	1.00
	SB	Baseline	30.1	30.1	1.00
		With Scenario 1	30.1	30.1	1.00
		With Scenario 2	30.1	30.1	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 5–4 Cumulative plus Project Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
AM Peak					
SR-4					
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.5	17.0	1.08
		With Scenario 1	18.5	17.0	1.08
		With Scenario 2	18.5	17.0	1.08
	SB	Baseline	19.7	17.0	1.15
		With Scenario 1	19.7	17.0	1.15
		With Scenario 2	19.7	17.0	1.16
Balfour Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.3	17.0	1.13
		With Scenario 1	19.3	17.0	1.13
		With Scenario 2	19.3	17.0	1.13
	SB	Baseline	18.5	17.0	1.08
		With Scenario 1	18.5	17.0	1.08
		With Scenario 2	18.5	17.0	1.08
South of Balfour Road (Basic)	NB	Baseline	90.0	90.0	1.00
		With Scenario 1	90.0	90.0	1.00
		With Scenario 2	90.0	90.0	1.00
	SB	Baseline	90.0	90.0	1.0
		With Scenario 1	90.0	90.0	1.00
		With Scenario 2	90.0	90.0	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 5–4 Cumulative plus Project Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
PM Peak					
SR-4					
North of Lone Tree Way (Basic)	NB	Baseline	11.4	11.4	1.00
		With Scenario 1	11.4	11.4	1.00
		With Scenario 2	11.4	11.4	1.00
	SB	Baseline	17.3	14.8	1.17
		With Scenario 1	17.3	14.8	1.17
		With Scenario 2	17.3	14.8	1.17
Lone Tree Way NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.8	17.0	1.10
		With Scenario 1	18.8	17.0	1.10
		With Scenario 2	18.8	17.0	1.10
	SB	Baseline	20.3	17.0	1.19
		With Scenario 1	20.3	17.0	1.19
		With Scenario 2	20.3	17.0	1.19
Jeffery Way NB On-Ramp (Merge)	NB	Baseline	18.5	17.0	1.09
		With Scenario 1	18.5	17.0	1.09
		With Scenario 2	18.5	17.0	1.09
Lone Tree Way/ Jeffery Way NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.9	17.0	1.17
		With Scenario 1	19.9	17.0	1.17
		With Scenario 2	19.9	17.0	1.17
	SB	Baseline	20.1	17.0	1.18
		With Scenario 1	20.3	17.0	1.19
		With Scenario 2	20.3	17.0	1.19
Lone Tree Way to Sand Creek Road (Basic)	NB	Baseline	3.4	3.4	1.00
		With Scenario 1	3.4	3.4	1.00
		With Scenario 2	3.4	3.4	1.00
	SB	Baseline	10.5	9.7	1.08
		With Scenario 1	10.6	9.7	1.10
		With Scenario 2	10.6	9.7	1.10
Sand Creek Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	19.0	17.0	1.11
		With Scenario 1	19.0	17.0	1.11
		With Scenario 2	19.0	17.0	1.11
	SB	Baseline	20.0	17.0	1.17
		With Scenario 1	20.0	17.0	1.17
		With Scenario 2	20.0	17.0	1.17
Sand Creek Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.3	17.0	1.13
		With Scenario 1	19.5	17.0	1.14
		With Scenario 2	19.5	17.0	1.14
	SB	Baseline	18.5	17.0	1.09
		With Scenario 1	18.6	17.0	1.09
		With Scenario 2	18.6	17.0	1.09
Sand Creek Road to Balfour Road (Basic)	NB	Baseline	31.8	31.8	1.00
		With Scenario 1	31.8	31.8	1.00
		With Scenario 2	31.8	31.8	1.00
	SB	Baseline	30.2	30.1	1.00
		With Scenario 1	30.2	30.1	1.00
		With Scenario 2	30.2	30.1	1.00

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

Table 5–4 Cumulative plus Project Routes of Regional Significance Travel Time Summary (Cont.)

Facility	Dir.	Scenario	Travel Time (a)	Free-Flow Time (a)	Delay Index
PM Peak					
SR-4					
Balfour Road NB On-Ramp (Merge) / SB Off-Ramp (Diverge)	NB	Baseline	18.3	17.0	1.08
		With Scenario 1	18.3	17.0	1.08
		With Scenario 2	18.3	17.0	1.08
	SB	Baseline	19.4	17.0	1.14
		With Scenario 1	19.4	17.0	1.14
		With Scenario 2	19.4	17.0	1.14
Balfour Road NB Off-Ramp (Diverge) / SB On-Ramp (Merge)	NB	Baseline	19.8	17.0	1.16
		With Scenario 1	19.8	17.0	1.16
		With Scenario 2	19.8	17.0	1.16
	SB	Baseline	19.0	17.0	1.11
		With Scenario 1	19.0	17.0	1.11
		With Scenario 2	19.0	17.0	1.11
South of Balfour Road (Basic)	NB	Baseline	90.0	90.0	1.00
		With Scenario 1	90.0	90.0	1.00
		With Scenario 2	90.0	90.0	1.00
	SB	Baseline	90.6	90.0	1.01
		With Scenario 1	90.5	90.0	1.01
		With Scenario 2	90.5	90.0	1.01

Bold indicates a segment with a delay index greater than the allowable threshold of 2.5.

(a) Travel Time and Free-Flow Time are measured in seconds.
Results were obtained using HCM freeway facility level of service analysis. The travel time is calculated using the average travel speed or free flow speed and segment length.

6 PEAK HOUR SIGNAL WARRANT EVALUATION

A planning level assessment of the need for traffic signalization was performed for the un-signalized study intersections. This evaluation was performed consistent with the peak-hour warrant methodologies noted in Section 4C of the California Manual on Uniform Traffic Control Devices (CMUTCD), 2014 Edition. Summaries of the peak-hour warrant results are presented in **Table 6-1** and **Table 6-2.**

As shown in the tables, the addition of the proposed project does not result in any peak-hour signal warrants to be satisfied at any of the study intersections under any analysis conditions for both development scenarios. Detailed results of this analysis are presented in the **Appendix L.**

Table 6–1 Traffic Signal Warrant Analysis Results for Development Scenario 1

#	Intersection	Analysis Scenario					
		Existing (2017)	**Existing (2017) plus Project**	**Existing Plus Approved Projects**	**Existing Plus Approved Projects plus Project**	**Cumulative (2040)**	**Cumulative (2040) plus Project**
5	Heidorn Ranch Rd @ Old Sand Creek Rd	No/No	No/No	No/No	No/No	No/No	No/No
12	St Regis Ave @ San Jose Ave	No/No	No/No	No/No	No/No	No/No	No/No
13	Portofino Dr/Loma Vista School @ San Jose Ave	No/No	No/No	No/No	No/No	No/No	No/No
20	W Country Club Dr @ Presidio Dr	No/No	No/No	No/No	No/No	No/No	No/No
21	E Country Club Dr @ Roundhill Dr	No/No	No/No	No/No	No/No	No/No	No/No

Results are presented in AM / PM format.
Note: Peak-hour warrant is satisfied if Condition A or B is satisfied.

Table 6–2 Traffic Signal Warrant Analysis Results for Development Scenario 2

#	Intersection	Analysis Scenario					
		Existing (2017)	Existing (2017) plus Project	Existing Plus Approved Projects	Existing Plus Approved Projects plus Project	Cumulative (2040)	Cumulative (2040) plus Project
5	Heidorn Ranch Rd @ Old Sand Creek Rd	No/No	No/No	No/No	No/No	No/No	No/No
12	St Regis Ave @ San Jose Ave	No/No	No/No	No/No	No/No	No/No	No/No
13	Portofino Dr/Loma Vista School @ San Jose Ave	No/No	No/No	No/No	No/No	No/No	No/No
20	W Country Club Dr @ Presidio Dr	No/No	No/No	No/No	No/No	No/No	No/No
21	E Country Club Dr @ Roundhill Dr	No/No	No/No	No/No	No/No	No/No	No/No

Results are presented in AM / PM format.
Note: Peak-hour warrant is satisfied if Condition A or B is satisfied.

7 POTENTIAL EFFECTS ON TRANSIT, BICYCLE, AND PEDESTRIAN MOBILITY

The proposed project was evaluated to determine if it would likely conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks) or generate pedestrian, bicycle, or transit travel demand that would not be accommodated by transit, bicycle, or pedestrian facilities and plans.

Patrons and residents to or from the proposed development have the option of driving, taking transit, walking, or bicycling. Those patrons and residents that choose to take transit have routes that provide services to nearby Park and Ride facilities and other areas of Brentwood. The transit routes currently do not go west of SR-4 at Sand Creek Road, but with the proposed project, Tri-Delta Transit will evaluate the potential ridership and adjust routes as necessary. If it is conservatively assumed (from the standpoint of transit demand) that one percent of the patrons and residents of the retail and residential uses will use transit during the peak hours of the day, it represents approximately six passengers in the weekday AM peak period and 13 passengers in the weekday PM peak period. The proposed project does not conflict with adopted plans and does not prohibit implementing transit facilities or plans.

Sidewalks and Class II bicycle lanes will be constructed along Sand Creek Road between the new SR-4 interchange and the project site and will connect with the existing sidewalks and Class II bicycle lanes on Sand Creek Road. Similarly, sidewalks and Class II bicycle lanes will be constructed along San Jose Avenue and Saint Regis Avenue to connect with existing facilities. Crosswalks will be provided at the new intersections constructed by the project. In addition, the project will construct necessary on-site sidewalks, walkways, and other amenities in compliance with adopted policies, plans and programs. Internal pedestrian connections link the retail uses with the adjacent residential areas to allow retail patrons and employees to conveniently walk from nearby destinations. Many of the roadways have low traffic volumes where it is reasonable for cyclists to share the roadway with automobiles. Thus, the impact on transit, pedestrian or bicycle facilities is determined to be less than significant.

8 SITE ACCESS AND CIRCULATION

Project access and circulation was evaluated as part of this study. As reflected in **Figure 1-2,** primary access is anticipated to be provided at the Sand Creek Road intersection with San Jose Avenue (Intersection #6). Access will also be provided at the intersection of San Jose Avenue and St Regis Avenue. Given the unknown nature of the ultimate commercial type, configuration, etc. no further assessment was performed. For the purposes of this study it is anticipated that sight distances, emergency access truck access, and on-site circulation for these subareas will be appropriated designed in accordance with the City's applicable design standards.

9 SUMMARY OF IMPACTS AND RECOMMENDED MITIGATIONS

Based on the results of the traffic analysis and evaluation of the proposed site plan, the project impacts which require mitigation are listed below and are identified as being significant unless mitigated. Recommended mitigation measures are provided for each significant impact.

It should be noted that the impact at the intersection of SR-4 at Balfour Road (Intersection # 15) will be mitigated by the SR-4 at Balfour Road Interchange Improvements. The East Contra Costa Regional Fee and Financing Authority (ECCRFFA) is a regional planning agency charge with obtaining funding for regional transportation improvement projects, such as the SR-4 interchange improvements. The proposed project is required to pay the ECCRFFA a fee based on per dwelling unit and per square foot of development. Thus, the proposed project contributes their fair share to the SR-4 interchange improvements and other regional improvements that would mitigate or avoid potential project impacts. The following discussion describes additional improvements necessary that are not covered in the fees paid to ECCRFFA.

Existing Plus Project (Development Scenario 1 & 2)

- #14 – Fairview Avenue at San Jose Avenue
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #15 – SR-4 at Balfour Road
  - PM (Increased delay, LOS F) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Increased delay, LOS F)

Existing Plus Approved Projects Plus Project (Development Scenario 1 & 2)

- # 2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) Peak – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Increased delay, LOS D-) and PM (Worsened from LOD D to LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road
  - AM (Increased delay, LOS F)

Cumulative Plus Project (Development Scenario 1 & 2)

- # 2 – SR-4 SB Ramps at Lone Tree Way
  - AM (Increased delay, LOS F) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #7 – SR-4 SB Ramps at Sand Creek Rd
  - PM (Worsened from LOS D to LOS E) Peak – Significant Impact
- #11 – Fairview Avenue at Sand Creek Road
  - AM (Increased delay, LOS E) and PM (Increased delay, LOS F) Peaks – Significant Impact
- #14 – Fairview Avenue at San Jose Avenue
  - AM (Worsened from LOS D to LOS E) and PM (Increased delay, LOS E) Peaks – Significant Impact
- #18 – W Country Club Drive/ American Avenue at Balfour Road

- AM (Increased delay, LOS F)

9.1 SIGNIFICANT UNLESS MITIGATED

Existing Plus Project

Impact #1: Intersection #14 – Fairview Avenue at San Jose Avenue
The intersection of Fairview Avenue at San Jose Avenue will operate at LOS E during both peak hours under Existing Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #1
The change in signal timing to increase the cycle length to give more time to the northbound and southbound through movements will improve the intersection operations to acceptable standards.

Impact #2: Intersection #15 – SR-4 and Balfour Road
The intersection of SR-4 and Balfour Road will operate at LOS F during the PM peak hour under Existing Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #2
The construction of the new SR-4 / Balfour Road interchange will eliminate this intersection and replace it with two new intersections that provide access to SR-4. This improvement is a planned project that is assumed to be in place under Existing plus Approved Projects and Cumulative Conditions. The interchange and associated SR-4 widening is being funded by ECCRFFA. The project applicant would be required to pay their ECCRFFA fees for development which would be considered mitigation for the impact at this location. The interchange improvement improves the intersection operations to acceptable standards.

Impact #3: Intersection #18 – W Country Club Drive/ American Avenue at Balfour Road
The intersection of W Country Club Drive/ American Avenue at Balfour Road will operate at LOS F during the AM peak hour under Existing Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #3
The addition of a third westbound left turn lane on Balfour road is recommended. Queue storage would be lengthened. Signage will be placed along Balfour Road and on the Signal Gantry to improve lane utilization and access to the school sire. These recommendations will improve the intersection operations to acceptable standards.

Prior to issuance of the first building permit, the applicant shall design and construct the improvements needed to accommodate a third westbound left turn lane. With the installation of the third left turn lane, the project would mitigate its impact.

Existing Plus Approved Projects Plus Project

Impact #4: Intersection #2 – SR-4 SB Ramps at Lone Tree Way
The intersection of the SR-4 Southbound Ramps at Lone Tree Way will operate at LOS E/F during both peak hours, respectively, under Existing plus Approved Projects plus Project Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #4
The installation of a second eastbound right-turn lane and the restriping of the southbound approach to provide a right-turn lane, shared right and left-turn lane, and left-turn lane will improve the intersection operations to acceptable standards. It should be noted that this intersection is located in the City of Antioch and within Caltrans right-of-way. Therefore, since the governing agency for this traffic study is the City of Brentwood and they could not implement the proposed mitigation in another agency's right-of-way, this impact would remain significant and unavoidable.

Impact #5: Intersection #11 – Fairview Avenue at Sand Creek Road
The intersection of Fairview Avenue at Sand Creek Road will operate at LOS E during the AM peak hour under Existing plus Approved Projects Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #5
The restriping of the southbound approach to provide a left-turn lane, a through lane, and a shared through and right-turn lane and the change in signal timing to increase the cycle length to give more time to the eastbound and westbound through movements will improve the intersection operations to acceptable standards.

Impact #6: Intersection #14 – Fairview Avenue at San Jose Avenue
The intersection of Fairview Avenue at San Jose Avenue will operate at LOS E/D during the AM/PM peak hours, respectively, under Existing plus Approved Projects Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #6
The applicant shall implement **Mitigation #1** which is to change in signal timing to increase the cycle length to give more time to the northbound and southbound through movements. With the change in signal timing, the intersection will operate at acceptable standards. the project would mitigate its impact.

Impact #7: Intersection #18 – W Country Club Drive/ American Avenue at Balfour Road
The intersection of W Country Club Drive/ American Avenue at Balfour Road will operate at LOS F during the AM peak hour under Existing plus Approved Projects Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #7
The applicant shall implement **Mitigation #3** which is to construct the addition of a westbound left turn lane at Intersection #18. With the addition of a westbound left, the intersection will operate at acceptable standards.

Cumulative Plus Project

Impact #8: Intersection #2 – SR-4 SB Ramps at Lone Tree Way
The intersection of the SR-4 Southbound Ramps at Lone Tree Way will operate at LOS F during both peak hours under Cumulative Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #8
The applicant shall implement **Mitigation #4** which is to install a second eastbound right-turn lane and restripe the southbound approach to provide a right-turn lane, shared right and left-turn lane, and left-turn lane. With the installation of an additional eastbound right-turn lane and the restriping of the southbound approach, the intersection will operate at acceptable standards. It should be noted that this intersection is located in the City of Antioch and within Caltrans right-of-way. Therefore, since the governing agency for this traffic study is the City of Brentwood and they could not implement the proposed mitigation in another agency's right-of-way, this impact would remain significant and unavoidable.

Impact #9: Intersection #7 – SR-4 SB Ramps at Sand Creek Road
The intersection of the SR-4 Southbound Ramps at Sand Creek Road will operate at LOS D during the PM peak hours under Cumulative Conditions and will experience an increase in delay and decrease to LOS E due to the proposed project. The increase in delay results in a significant impact.

Mitigation #9
The restriping of the southbound approach to provide a right shared left-turn lane and two left-turn lanes will improve the intersection operations to acceptable standards. It should be noted that this intersection is located within Caltrans right-of-way. Therefore, since the governing agency for this traffic study is the City of Brentwood and they could not implement the proposed mitigation in another agency's right-of-way, this impact would remain significant and unavoidable. It should also be noted that there is a future project to construct the diagonal on-ramp from eastbound Sand Creek Road to southbound SR-4. However, this project has no identified funding source or timeline and therefore was not included as an improvement or potential mitigation.

Impact #10: Intersection #11 – Fairview Avenue at Sand Creek Road
The intersection of Fairview Avenue at Sand Creek Road will operate at LOS E/F during the AM/PM peak hours, respectively, under Cumulative Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #10
The applicant shall implement **Mitigation #5** which is to restripe the southbound approach to provide a left-turn lane, a through lane, and a shared through and right-turn lane and to change the signal timing to increase the cycle length to give more time to the eastbound and westbound through movements. With the restriping of the southbound approach and retiming, the intersection will operate better than Cumulative Baseline Conditions.

Impact #11: Intersection #14 – Fairview Avenue at San Jose Avenue
The intersection of Fairview Avenue at San Jose Avenue will operate at LOS E during the peak hour under Cumulative Conditions and will experience an increase in delay and decrease to a LOS E during the AM peak hour due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #11

The applicant shall implement **Mitigation #1** which is to change in signal timing to increase the cycle length to give more time to the northbound and southbound through movements. With the change in signal timing, the intersection will operate at acceptable standards.

Impact #12: Intersection #18 – W Country Club Drive/ American Avenue at Balfour Road

The intersection of W Country Club Drive/ American Avenue at Balfour Road will operate at LOS F during the AM peak hour under Existing plus Approved Projects Conditions and will experience an increase in delay due to the proposed project. The increase in delay to a pre-existing failing intersection results in a significant impact.

Mitigation #12

The applicant shall implement **Mitigation #3** which is to construct the addition of a westbound left turn lane at Intersection #18. With the addition of a westbound left, the intersection will operate at acceptable standards.

Table 9-1, Table 9-2, and **Table 9-3** present the intersection operations with the mitigation measures identified under Existing and Existing plus Approved Projects, and Cumulative Conditions, respectively. Analysis sheets are provided in the **Appendix M.**

Table 9–1 Mitigated Existing Plus Project Intersection LOS Summary

#	Intersection	Peak Hour	Before Mitigation		After Mitigation	
			Delay (a)	LOS	Delay (a)	LOS
Development Scenario 1						
14	San Jose Avenue/ Fairview Avenue	AM	68.8	**E**	41.2	D
		PM	63.7	**E**	51.7	D
18	W Country Club Drive/ Balfour Road	AM	80.4	**F**	44.3	D
		PM	15.3	B	15.2	B
Development Scenario 2						
14	San Jose Avenue/ Fairview Avenue	AM	69.0	**E**	41.5	D
		PM	63.7	**E**	51.7	D
18	W Country Club Drive/ Balfour Road	AM	88.3	**F**	49.2	D
		PM	15.3	B	15.2	B

Notes: **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact. Intersection 15 is not shown because the intersection will be mitigated with the SR-4 at Balfour interchange roadway project that is assumed to be constructed by Existing plus Approved Projects Conditions.

(a) Delay is measured in seconds.

Table 9–2 Mitigated Existing Plus Approved Projects plus Project Intersection LOS Summary

#	Intersection	Peak Hour	Before Mitigation		After Mitigation	
			Delay (a)	LOS	Delay (a)	LOS
Development Scenario 1						
2	Lone Tree Way / SR-4 SB Ramps	AM	71.5	**E**	24.0	C
		PM	104.0	**F**	33.1	C
11	Fairview Avenue / Sand Creek Road	AM	57.2	**E**	51.6	D
		PM	53.3	D	42.3	D
14	Fairview Avenue / San Jose Avenue	AM	66.9	**E**	42.8	D
		PM	59.7	**E**	54.0	D
18	W Country Club Drive/ Balfour Road	AM	80.1	**F**	43.6	D
		PM	16.2	B	16.1	B
Development Scenario 2						
2	Lone Tree Way / SR-4 SB Ramps	AM	71.4	**E**	24.0	C
		PM	103.9	**F**	33.1	C
11	Fairview Avenue / Sand Creek Road	AM	57.4	**E**	51.8	D
		PM	53.3	D	42.3	D
14	Fairview Avenue / San Jose Avenue	AM	67.0	**E**	43.1	D
		PM	59.7	**E**	54.0	D
18	W Country Club Drive/ Balfour Road	AM	87.9	**F**	48.2	D
		PM	16.2	B	16.0	B

Notes: **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(a) Delay is measured in seconds.

Table 9–3 Mitigated Cumulative plus Project Intersection LOS Summary

#	Intersection	Peak Hour	Before Mitigation		After Mitigation	
			Delay (a)	LOS	Delay (a)	LOS
Development Scenario 1						
2	Lone Tree Way / SR-4 SB Ramps	AM	109.4	**F**	35.4	D
		PM	142.7	**F**	44.7	D
7	Sand Creek Road / SR-4 SB Ramps	AM	20.4	C	16.6	B
		PM	70.4	**E**	49.6	D
11	Sand Creek Road / Fairview Avenue	AM	72.9	**E**	69.4	**E**
		PM	96.1	**F**	83.4	**F**
14	San Jose Avenue/ Fairview Avenue	AM	56.9	**E**	47.7	D
		PM	71.0	**E**	41.6	D
18	W Country Club Drive/ Balfour Road	AM	94.5	**F**	53.8	D
		PM	23.7	C	24.2	C
Development Scenario 2						
2	Lone Tree Way / SR-4 SB Ramps	AM	109.4	**F**	35.4	D
		PM	142.7	**F**	44.7	D
7	Sand Creek Road / SR-4 SB Ramps	AM	20.4	C	16.6	B
		PM	68.9	**E**	47.8	D
11	Sand Creek Road / Fairview Avenue	AM	72.9	**E**	69.4	**E**
		PM	96.0	**F**	83.4	**F**
14	San Jose Avenue/ Fairview Avenue	AM	56.9	**E**	47.7	D
		PM	70.9	**E**	41.6	D
18	W Country Club Drive/ Balfour Road	AM	94.5	**F**	53.8	D
		PM	23.7	C	24.2	C

Notes: **Bold** indicates substandard per jurisdiction minimum thresholds. **Bold and shaded** indicates significant project impact.

(b) Delay is measured in seconds.