

Appendix A

Air Quality, Greenhouse Gas Emissions,
and Energy Calculations

Construction

Regional Emissions (lb/day)						
Construction Phase	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	SO ₂
Phase 1 – Early Learning Classroom and Play Field	5	11	13	2,6894	0.8230	0.04
Phase 2 – STEM Maker Space Classrooms, Outdoor Classrooms, Parking, and Learning Garden, and Parking	2	17	15	2,7119	1.0073	0.07
Phase 3 – Multipurpose Culinary Café, Learning Garden, and Parking	3	8	13	0.9201	0.4087	0.03
Phase 4 – Elementary Classroom Building	8	8	13	1.0147	0.4255	0.03
Maximum Daily	8	17	15	4	1.0073	0.0669
SCAQMD Construction Threshold	75	100	550	150	55	150
Exceed Threshold?	No	No	No	No	No	No

Localized Emissions (lb/day)				
Construction Phase	NO _x	CO	PM ₁₀	PM _{2.5}
Phase 1 – Early Learning Classroom and Play Field	8.31	9.86	1.518	0.494
Phase 2 – STEM Maker Space Classrooms, Outdoor Classrooms, Parking, and Learning Garden, and Parking	2.12	9.26	0.755	0.120
Phase 3 – Multipurpose Culinary Café, Learning Garden, and Parking	7.41	11.37	0.440	0.276
Phase 4 – Elementary Classroom Building	7.30	11.21	0.408	0.258
Maximum Daily	8.31	11.37	1.518	0.494
SCAQMD Construction LST	103	562	4.0	3.0
Exceed Threshold?	No	No	No	No

GHG Emissions	
Construction Phase	MTCO ₂ e
Phase 1: Modernize Library	105
Phase 2: Construct New STEAM Building	99
Phase 3: Create 6th Grade Cohort & Modernize 8th Grade Courtyard	61
Phase 4: Renovate Central Quad & Renovate Cafeteria	67
Total GHGs	333
Amortized GHGs	11

Operations

Regional Emissions (lb/day)						
Operational Element	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	SO ₂
Phase 1 – Early Learning Classroom and Play Field	0.3205	0.0386	0.0341	0.0030	0.0029	0.0002
Phase 2 – STEM Maker Space Classrooms, Outdoor Classrooms, Parking, and Learning Garden, and Parking	0.01320	0.00003	0.00305	0.00001	0.00001	0
Phase 3 – Multipurpose Culinary Café, Learning Garden, and Parking	0.29150	0.61870	0.52070	0.04700	0.04700	0.00370
Phase 4 – Elementary Classroom Building	0.63430	0.07760	0.06800	0.00590	0.00590	0.00050
Total	0.625	0.657	0.558	0.050	0.050	0.004
SCAQMD Operational Threshold	55	55	550	150	55	150
Exceed Threshold?	No	No	No	No	No	No

Localized Emissions (lb/day)				
Operational Element	NO _x	CO	PM ₁₀	PM _{2.5}
Phase 1 – Early Learning Classroom and Play Field	0.0386	0.0341	0.0030	0.0029
Phase 2 – STEM Maker Space Classrooms, Outdoor Classrooms, Parking, and Learning Garden, and Parking	0.0000	0.0031	0.0000	0.0000
Phase 3 – Multipurpose Culinary Café, Learning Garden, and Parking	0.6187	0.5207	0.0470	0.0470
Phase 4 – Elementary Classroom Building	0.0776	0.0680	0.0005	0.0059
Total	0.7349	0.6259	0.0505	0.0558
SCAQMD Operational LST	103	562	1	1
Exceed Threshold?	No	No	No	No

GHG Emissions	
Operational Element	MTCO ₂ e
Area	<1
Energy	249
Waste	32
Water	25
Amortized GHGs	11
Total GHGs	317

Phase 1 GHG Emissions	
Operational Element	MTCO ₂ e
Area	<1
Energy	21
Waste	9
Water	8
Total GHGs	38

Phase 2 GHG Emissions	
Operational Element	MTCO ₂ e
Area	<1
Energy	2
Waste	0
Water	0
Total GHGs	2

Phase 3 GHG Emissions	
Operational Element	MTCO ₂ e
Area	<1
Energy	192
Waste	5
Water	11
Total GHGs	208

Phase 4 GHG Emissions	
Operational Element	MTCO ₂ e
Area	<1
Energy	35
Waste	18
Water	6
Total GHGs	59

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Will Rogers Construction Phase 1
South Coast AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	13.95	1000sqft	0.32	13,950.00	0
City Park	1.96	Acre	1.96	85,377.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	351	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Phase 1 – Early Education Classroom and Play Field

Construction Phase - Phase are scaled using CalEEMod defaults and total construction duration

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	220.00	324.00
tblConstructionPhase	NumDays	20.00	29.00
tblConstructionPhase	NumDays	6.00	9.00
tblConstructionPhase	NumDays	10.00	15.00
tblGrading	MaterialExported	0.00	1,500.00
tblGrading	MaterialImported	0.00	400.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	351

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					
2023	0.0324	0.2750	0.3728	9.8000e-004	0.1014	0.0112	0.1126	0.0221	0.0103	0.0324	0.0000	89.6435	89.6435	0.0165	4.1400e-003	91.2907
2024	0.0684	0.2654	0.4204	1.1200e-003	0.0665	0.0109	0.0774	0.0179	0.0101	0.0280	0.0000	103.3483	103.3483	0.0110	5.7500e-003	105.3376
Maximum	0.0684	0.2750	0.4204	1.1200e-003	0.1014	0.0112	0.1126	0.0221	0.0103	0.0324	0.0000	103.3483	103.3483	0.0165	5.7500e-003	105.3376

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					
2023	0.0324	0.2750	0.3728	9.8000e-004	0.0595	0.0112	0.0707	0.0140	0.0103	0.0243	0.0000	89.6434	89.6434	0.0165	4.1400e-003	91.2907
2024	0.0684	0.2654	0.4204	1.1200e-003	0.0665	0.0109	0.0774	0.0179	0.0101	0.0280	0.0000	103.3483	103.3483	0.0110	5.7500e-003	105.3376

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

Maximum	0.0684	0.2750	0.4204	1.1200e-003	0.0665	0.0112	0.0774	0.0179	0.0103	0.0280	0.0000	103.3483	103.3483	0.0165	5.7500e-003	105.3376
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	24.99	0.00	22.08	20.22	0.00	13.37	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	6-1-2023	8-31-2023	0.2026	0.2026
2	9-1-2023	11-30-2023	0.0795	0.0795
3	12-1-2023	2-29-2024	0.0769	0.0769
4	3-1-2024	5-31-2024	0.0752	0.0752
5	6-1-2024	8-31-2024	0.0747	0.0747
6	9-1-2024	9-30-2024	0.0244	0.0244
		Highest	0.2026	0.2026

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	0.0577	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.20E-04
Energy	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	20.4235	20.4235	1.3500e-003	2.9000e-004	20.5424
Mobile	0.0864	0.1093	0.9445	2.2200e-003	0.2461	1.6000e-003	0.2477	0.0657	1.4800e-003	0.0672	0.0000	205.3187	205.3187	0.0125	8.7600e-003	208.2415
Waste						0.0000	0.0000		0.0000	0.0000	3.7147	0.0000	3.7147	0.2195	0.0000	9.2031

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

Water						0.0000	0.0000		0.0000	0.0000	0.1470	7.1979	7.3448	0.0158	4.4000e-004	7.8697
Total	0.1449	0.1163	0.9506	2.2600e-003	0.2461	2.1400e-003	0.2482	0.0657	2.0200e-003	0.0677	3.8617	232.9405	236.8022	0.2492	9.4900e-003	245.8571

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	0.0577	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
Energy	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	20.4235	20.4235	1.3500e-003	2.9000e-004	20.5424
Mobile	0.0864	0.1093	0.9445	2.2200e-003	0.2461	1.6000e-003	0.2477	0.0657	1.4800e-003	0.0672	0.0000	205.3187	205.3187	0.0125	8.7600e-003	208.2415
Waste						0.0000	0.0000		0.0000	0.0000	3.7147	0.0000	3.7147	0.2195	0.0000	9.2031
Water						0.0000	0.0000		0.0000	0.0000	0.1470	7.1979	7.3448	0.0158	4.4000e-004	7.8697
Total	0.1449	0.1163	0.9506	2.2600e-003	0.2461	2.1400e-003	0.2482	0.0657	2.0200e-003	0.0677	3.8617	232.9405	236.8022	0.2492	9.4900e-003	245.8571

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

3.0 Construction DetailConstruction Phase

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2023	7/11/2023	5	29	
2	Grading	Grading	8/11/2023	8/23/2023	5	9	
3	Building Construction	Building Construction	8/24/2023	11/19/2024	5	324	
4	Paving	Paving	11/20/2024	12/10/2024	5	15	
5	Coating	Architectural Coating	12/11/2024	12/31/2024	5	15	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 1.6****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,925; Non-Residential Outdoor: 6,975; Striped Parking Area: 0 (Architectural****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	42.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.0417	0.0000	0.0417	6.3200e-003	0.0000	6.3200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1306	0.1742	3.8000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	33.2663	33.2663	0.0108	0.0000	33.5353
Total	0.0153	0.1306	0.1742	3.8000e-004	0.0417	5.7200e-003	0.0475	6.3200e-003	5.2600e-003	0.0116	0.0000	33.2663	33.2663	0.0108	0.0000	33.5353

Unmitigated Construction Off-Site

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0245	6.5800e-003	1.1000e-004	3.3200e-003	1.8000e-004	3.5000e-003	9.1000e-004	1.7000e-004	1.0800e-003	0.0000	11.0087	11.0087	6.1000e-004	1.7500e-003	11.5452
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.3000e-004	8.5200e-003	2.0000e-005	2.8600e-003	2.0000e-005	2.8800e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.2409	2.2409	6.0000e-005	6.0000e-005	2.2595
Total	1.2100e-003	0.0251	0.0151	1.3000e-004	6.1800e-003	2.0000e-004	6.3800e-003	1.6700e-003	1.9000e-004	1.8600e-003	0.0000	13.2496	13.2496	6.7000e-004	1.8100e-003	13.8047

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0163	0.0000	0.0163	2.4600e-003	0.0000	2.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1306	0.1742	3.8000e-004		5.7200e-003	5.7200e-003		5.2600e-003	5.2600e-003	0.0000	33.2663	33.2663	0.0108	0.0000	33.5352
Total	0.0153	0.1306	0.1742	3.8000e-004	0.0163	5.7200e-003	0.0220	2.4600e-003	5.2600e-003	7.7200e-003	0.0000	33.2663	33.2663	0.0108	0.0000	33.5352

Mitigated Construction Off-Site

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0245	6.5800e-003	1.1000e-004	3.3200e-003	1.8000e-004	3.5000e-003	9.1000e-004	1.7000e-004	1.0800e-003	0.0000	11.0087	11.0087	6.1000e-004	1.7500e-003	11.5452
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	6.3000e-004	8.5200e-003	2.0000e-005	2.8600e-003	2.0000e-005	2.8800e-003	7.6000e-004	2.0000e-005	7.8000e-004	0.0000	2.2409	2.2409	6.0000e-005	6.0000e-005	2.2595
Total	1.2100e-003	0.0251	0.0151	1.3000e-004	6.1800e-003	2.0000e-004	6.3800e-003	1.6700e-003	1.9000e-004	1.8600e-003	0.0000	13.2496	13.2496	6.7000e-004	1.8100e-003	13.8047

3.3 Grading - 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					
Fugitive Dust					0.0270	0.0000	0.0270	6.9200e-003	0.0000	6.9200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7800e-003	0.0203	0.0289	4.0000e-005		9.0000e-004	9.0000e-004	8.3000e-004	8.3000e-004	8.3000e-004	0.0000	3.6726	3.6726	1.1900e-003	0.0000	3.7022
Total	1.7800e-003	0.0203	0.0289	4.0000e-005	0.0270	9.0000e-004	0.0279	6.9200e-003	8.3000e-004	7.7500e-003	0.0000	3.6726	3.6726	1.1900e-003	0.0000	3.7022

Unmitigated Construction Off-Site

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.9100e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5023	0.5023	1.0000e-005	1.0000e-005	0.5065
Total	1.8000e-004	1.4000e-004	1.9100e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5023	0.5023	1.0000e-005	1.0000e-005	0.5065

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0105	0.0000	0.0105	2.7000e-003	0.0000	2.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7800e-003	0.0203	0.0289	4.0000e-005		9.0000e-004	9.0000e-004	8.3000e-004	8.3000e-004	8.3000e-004	0.0000	3.6725	3.6725	1.1900e-003	0.0000	3.7022
Total	1.7800e-003	0.0203	0.0289	4.0000e-005	0.0105	9.0000e-004	0.0114	2.7000e-003	8.3000e-004	3.5300e-003	0.0000	3.6725	3.6725	1.1900e-003	0.0000	3.7022

Mitigated Construction Off-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.9100e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5023	0.5023	1.0000e-005	1.0000e-005	0.5065
Total	1.8000e-004	1.4000e-004	1.9100e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5023	0.5023	1.0000e-005	1.0000e-005	0.5065

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	7.0800e-003	0.0662	0.0790	1.1000e-004		4.0900e-003	4.0900e-003		3.7600e-003	3.7600e-003	0.0000	9.2661	9.2661	3.0000e-003	0.0000	9.3410
Total	7.0800e-003	0.0662	0.0790	1.1000e-004		4.0900e-003	4.0900e-003		3.7600e-003	3.7600e-003	0.0000	9.2661	9.2661	3.0000e-003	0.0000	9.3410

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

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	8.0000e-004	0.0280	0.0107	1.3000e-004	4.6400e-003	1.6000e-004	4.8000e-003	1.3400e-003	1.5000e-004	1.4900e-003	0.0000	13.0987	13.0987	4.4000e-004	1.9000e-003	13.6753
Worker	6.0200e-003	4.6300e-003	0.0630	1.8000e-004	0.0212	1.2000e-004	0.0213	5.6300e-003	1.1000e-004	5.7400e-003	0.0000	16.5879	16.5879	4.3000e-004	4.3000e-004	16.7258
Total	6.8200e-003	0.0327	0.0737	3.1000e-004	0.0258	2.8000e-004	0.0261	6.9700e-003	2.6000e-004	7.2300e-003	0.0000	29.6866	29.6866	8.7000e-004	2.3300e-003	30.4010

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.0800e-003	0.0662	0.0790	1.1000e-004		4.0900e-003	4.0900e-003		3.7600e-003	3.7600e-003	0.0000	9.2661	9.2661	3.0000e-003	0.0000	9.3410
Total	7.0800e-003	0.0662	0.0790	1.1000e-004		4.0900e-003	4.0900e-003		3.7600e-003	3.7600e-003	0.0000	9.2661	9.2661	3.0000e-003	0.0000	9.3410

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

[illegible]

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

Vendor	1.9600e-003	0.0710	0.0265	3.3000e-004	0.0117	3.9000e-004	0.0121	3.3800e-003	3.8000e-004	3.7500e-003	0.0000	32.5568	32.5568	1.1100e-003	4.7200e-003	33.9921
Worker	0.0142	0.0104	0.1481	4.4000e-004	0.0535	2.9000e-004	0.0537	0.0142	2.7000e-004	0.0145	0.0000	40.6086	40.6086	9.7000e-004	1.0000e-003	40.9314
Total	0.0162	0.0815	0.1746	7.7000e-004	0.0652	6.8000e-004	0.0658	0.0176	6.5000e-004	0.0182	0.0000	73.1653	73.1653	2.0800e-003	5.7200e-003	74.9235

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0164	0.1537	0.1982	2.7000e-004		8.8800e-003	8.8800e-003		8.1700e-003	8.1700e-003	0.0000	23.3667	23.3667	7.5600e-003	0.0000	23.5556
Total	0.0164	0.1537	0.1982	2.7000e-004		8.8800e-003	8.8800e-003		8.1700e-003	8.1700e-003	0.0000	23.3667	23.3667	7.5600e-003	0.0000	23.5556

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9600e-003	0.0710	0.0265	3.3000e-004	0.0117	3.9000e-004	0.0121	3.3800e-003	3.8000e-004	3.7500e-003	0.0000	32.5568	32.5568	1.1100e-003	4.7200e-003	33.9921

[illegible]

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

Worker	1.7000e-004	1.3000e-004	1.8200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5001	0.5001	1.0000e-005	1.0000e-005	0.5041
Total	1.7000e-004	1.3000e-004	1.8200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5001	0.5001	1.0000e-005	1.0000e-005	0.5041

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7700e-003	0.0209	0.0303	4.0000e-005		8.8000e-004	8.8000e-004		8.1000e-004	8.1000e-004	0.0000	3.9011	3.9011	1.2600e-003	0.0000	3.9327
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.7700e-003	0.0209	0.0303	4.0000e-005		8.8000e-004	8.8000e-004		8.1000e-004	8.1000e-004	0.0000	3.9011	3.9011	1.2600e-003	0.0000	3.9327

[illegible]

[illegible]

[illegible]

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

Worker	1.7000e-004	1.3000e-004	1.8200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5001	0.5001	1.0000e-005	1.0000e-005	0.5041
Total	1.7000e-004	1.3000e-004	1.8200e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5001	0.5001	1.0000e-005	1.0000e-005	0.5041

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	0.0864	0.1093	0.9445	2.2200e-003	0.2461	1.6000e-003	0.2477	0.0657	1.4800e-003	0.0672	0.0000	205.3187	205.3187	0.0125	8.7600e-003	208.2415
Unmitigated	0.0864	0.1093	0.9445	2.2200e-003	0.2461	1.6000e-003	0.2477	0.0657	1.4800e-003	0.0672	0.0000	205.3187	205.3187	0.0125	8.7600e-003	208.2415

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	1.53	3.84	4.29	6,486	6,486
High School	196.28	55.52	23.85	647,181	647,181
Total	197.81	59.36	28.15	653,667	653,667

4.3 Trip Type Information

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

	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	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.541709	0.062136	0.185590	0.128486	0.023783	0.006533	0.012157	0.009216	0.000814	0.000497	0.024669	0.000753	0.003657
High School	0.541709	0.062136	0.185590	0.128486	0.023783	0.006533	0.012157	0.009216	0.000814	0.000497	0.024669	0.000753	0.003657

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	12.7485	12.7485	1.2000e-003	1.5000e-004	12.8218
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	12.7485	12.7485	1.2000e-003	1.5000e-004	12.8218
Natural Gas Mitigated	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.6750	7.6750	1.5000e-004	1.4000e-004	7.7206
Natural Gas Unmitigated	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.6750	7.6750	1.5000e-004	1.4000e-004	7.7206

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

5.2 Energy by Land Use - 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
High School	143825	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.6750	7.6750	1.5000e-004	1.4000e-004	7.7206
Total		7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.6750	7.6750	1.5000e-004	1.4000e-004	7.7206

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
High School	143825	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.6750	7.6750	1.5000e-004	1.4000e-004	7.7206
Total		7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	7.6750	7.6750	1.5000e-004	1.4000e-004	7.7206

5.3 Energy by Land Use - Electricity

Unmitigated

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
High School	80073	12.7485	1.2000e-003	1.5000e-004	12.8218
Total		12.7485	1.2000e-003	1.5000e-004	12.8218

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
High School	80073	12.7485	1.2000e-003	1.5000e-004	12.8218
Total		12.7485	1.2000e-003	1.5000e-004	12.8218

6.0 Area Detail**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category tons/yr											MT/yr					
Mitigated	0.0577	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
Unmitigated	0.0577	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory tons/yr											MT/yr					
Architectural Coating	6.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0512					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
Total	0.0577	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004

Mitigated

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0512					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004
Total	0.0577	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.9000e-004	3.9000e-004	0.0000	0.0000	4.2000e-004

7.0 Water Detail**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.3448	0.0158	4.4000e-004	7.8697
Unmitigated	7.3448	0.0158	4.4000e-004	7.8697

7.2 Water by Land Use

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.3353	4.1308	3.9000e-004	5.0000e-005	4.1545
High School	0.463205 / 1.1911	3.2141	0.0154	3.9000e-004	3.7152
Total		7.3448	0.0158	4.4000e-004	7.8697

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.3353	4.1308	3.9000e-004	5.0000e-005	4.1545
High School	0.463205 / 1.1911	3.2141	0.0154	3.9000e-004	3.7152
Total		7.3448	0.0158	4.4000e-004	7.8697

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.7147	0.2195	0.0000	9.2031
Unmitigated	3.7147	0.2195	0.0000	9.2031

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.17	0.0345	2.0400e-003	0.0000	0.0855
High School	18.13	3.6802	0.2175	0.0000	9.1176
Total		3.7147	0.2195	0.0000	9.2031

Mitigated

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Annual

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

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.17	0.0345	2.0400e-003	0.0000	0.0855
High School	18.13	3.6802	0.2175	0.0000	9.1176
Total		3.7147	0.2195	0.0000	9.2031

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Will Rogers Construction Phase 1
South Coast AQMD Air District, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	13.95	1000sqft	0.32	13,950.00	0
City Park	1.96	Acre	1.96	85,377.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	351	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Phase 1 – Early Education Classroom and Play Field

Construction Phase - Phase are scaled using CalEEMod defaults and total construction duration

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Architectural Coating - SCAQMD's Rule 1113

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	220.00	324.00
tblConstructionPhase	NumDays	20.00	29.00
tblConstructionPhase	NumDays	6.00	9.00
tblConstructionPhase	NumDays	10.00	15.00
tblGrading	MaterialExported	0.00	1,500.00
tblGrading	MaterialImported	0.00	400.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	351

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					
2023	1.1436	10.6467	13.0974	0.0355	6.1532	0.4078	6.3542	1.5758	0.3756	1.7607	0.0000	3,543.5813	3,543.5813	0.8687	0.1370	3,606.1151
2024	4.5152	2.7954	4.3030	9.1500e-003	0.5719	0.1176	0.6544	0.1540	0.1082	0.2300	0.0000	934.6621	934.6621	0.1872	0.0537	952.9392
Maximum	4.5152	10.6467	13.0974	0.0355	6.1532	0.4078	6.3542	1.5758	0.3756	1.7607	0.0000	3,543.5813	3,543.5813	0.8687	0.1370	3,606.1151

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					
2023	1.1436	10.6467	13.0974	0.0355	2.4884	0.4078	2.6894	0.6381	0.3756	0.8230	0.0000	3,543.5813	3,543.5813	0.8687	0.1370	3,606.1151
2024	4.5152	2.7954	4.3030	9.1500e-003	0.5719	0.1176	0.6544	0.1540	0.1082	0.2300	0.0000	934.6621	934.6621	0.1872	0.0537	952.9392

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Maximum	4.5152	10.6467	13.0974	0.0355	2.4884	0.4078	2.6894	0.6381	0.3756	0.823	0.0000	3,543.5813	3,543.5813	0.8687	0.1370	3,606.1151
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.49	0.00	52.29	54.21	0.00	47.11	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	0.3162	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003
Energy	4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331
Mobile	0.6459	0.7177	6.9501	0.0165	1.7923	0.0114	1.8037	0.4776	0.0106	0.4883		1,678.6828	1,678.6828	0.0971	0.0661	1,700.8034
Total	0.9664	0.7563	6.9842	0.0167	1.7923	0.0144	1.8067	0.4776	0.0136	0.4912		1,725.0439	1,725.0439	0.0980	0.0669	1,747.4402

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
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Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Area	0.3162	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003
Energy	4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331
Mobile	0.6459	0.7177	6.9501	0.0165	1.7923	0.0114	1.8037	0.4776	0.0106	0.4883		1,678.6828	1,678.6828	0.0971	0.0661	1,700.8034
Total	0.9664	0.7563	6.9842	0.0167	1.7923	0.0144	1.8067	0.4776	0.0136	0.4912		1,725.0439	1,725.0439	0.0980	0.0669	1,747.4402

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2023	7/11/2023	5	29	
2	Grading	Grading	8/11/2023	8/23/2023	5	9	
3	Building Construction	Building Construction	8/24/2023	11/19/2024	5	324	
4	Paving	Paving	11/20/2024	12/10/2024	5	15	
5	Coating	Architectural Coating	12/11/2024	12/31/2024	5	15	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 1.6****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,925; Non-Residential Outdoor: 6,975; Striped Parking Area: 0 (Architectural**

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	386.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	42.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2023

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.8778	0.0000	2.8778	0.4357	0.0000	0.4357			0.0000			0.0000
Off-Road	1.0575	9.0048	12.0150	0.0261		0.3945	0.3945		0.3630	0.3630		2,528.9521	2,528.9521	0.8179		2,549.4000
Total	1.0575	9.0048	12.0150	0.0261	2.8778	0.3945	3.2723	0.4357	0.3630	0.7987		2,528.9521	2,528.9521	0.8179		2,549.4000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0287	1.6033	0.4509	7.6000e-003	0.2328	0.0122	0.2450	0.0638	0.0116	0.0754		836.5026	836.5026	0.0465	0.1329	877.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0386	0.6314	1.7600e-003	0.2012	1.1300e-003	0.2023	0.0534	1.0400e-003	0.0544		178.1267	178.1267	4.3200e-003	4.0700e-003	179.4470
Total	0.0861	1.6419	1.0823	9.3600e-003	0.4340	0.0133	0.4473	0.1172	0.0127	0.1298		1,014.6292	1,014.6292	0.0508	0.1370	1,056.7151

Mitigated Construction On-Site

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1223	0.0000	1.1223	0.1699	0.0000	0.1699			0.0000			0.0000
Off-Road	1.0575	9.0048	12.0150	0.0261		0.3945	0.3945		0.3630	0.3630	0.0000	2,528.9521	2,528.9521	0.8179		2,549.4000
Total	1.0575	9.0048	12.0150	0.0261	1.1223	0.3945	1.5169	0.1699	0.3630	0.5329	0.0000	2,528.9521	2,528.9521	0.8179		2,549.4000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0287	1.6033	0.4509	7.6000e-003	0.2328	0.0122	0.2450	0.0638	0.0116	0.0754		836.5026	836.5026	0.0465	0.1329	877.2681
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0386	0.6314	1.7600e-003	0.2012	1.1300e-003	0.2023	0.0534	1.0400e-003	0.0544		178.1267	178.1267	4.3200e-003	4.0700e-003	179.4470
Total	0.0861	1.6419	1.0823	9.3600e-003	0.4340	0.0133	0.4473	0.1172	0.0127	0.1298		1,014.6292	1,014.6292	0.0508	0.1370	1,056.7151

3.3 Grading - 2023**Unmitigated Construction On-Site**

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0079	0.0000	6.0079	1.5373	0.0000	1.5373			0.0000			0.0000
Off-Road	0.3945	4.5062	6.4113	9.2900e-003		0.2002	0.2002		0.1842	0.1842		899.6206	899.6206	0.2910		906.8945
Total	0.3945	4.5062	6.4113	9.2900e-003	6.0079	0.2002	6.2081	1.5373	0.1842	1.7214		899.6206	899.6206	0.2910		906.8945

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0279	0.4560	1.2700e-003	0.1453	8.2000e-004	0.1461	0.0385	7.5000e-004	0.0393		128.6470	128.6470	3.1200e-003	2.9400e-003	129.6006
Total	0.0415	0.0279	0.4560	1.2700e-003	0.1453	8.2000e-004	0.1461	0.0385	7.5000e-004	0.0393		128.6470	128.6470	3.1200e-003	2.9400e-003	129.6006

Mitigated Construction On-Site

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3431	0.0000	2.3431	0.5995	0.0000	0.5995			0.0000			0.0000
Off-Road	0.3945	4.5062	6.4113	9.2900e-003		0.2002	0.2002		0.1842	0.1842	0.0000	899.6206	899.6206	0.2910		906.8945
Total	0.3945	4.5062	6.4113	9.2900e-003	2.3431	0.2002	2.5433	0.5995	0.1842	0.7837	0.0000	899.6206	899.6206	0.2910		906.8945

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0279	0.4560	1.2700e-003	0.1453	8.2000e-004	0.1461	0.0385	7.5000e-004	0.0393		128.6470	128.6470	3.1200e-003	2.9400e-003	129.6006
Total	0.0415	0.0279	0.456	1.2700e-003	0.1453	8.2000e-004	0.1461	0.0385	7.5000e-004	0.0393		128.6470	128.6470	3.1200e-003	2.9400e-003	129.6006

3.4 Building Construction - 2023**Unmitigated Construction On-Site**

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1538	1.4395	1.7172	2.2900e-003		0.0890	0.0890		0.0818	0.0818		222.0463	222.0463	0.0718		223.8416
Total	0.1538	1.4395	1.7172	2.2900e-003		0.0890	0.0890		0.0818	0.0818		222.0463	222.0463	0.0718		223.8416

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0177	0.5808	0.2287	2.9100e-003	0.1025	3.3800e-003	0.1058	0.0295	3.2300e-003	0.0327		313.6495	313.6495	0.0105	0.0454	327.4442
Worker	0.1341	0.0900	1.4733	4.1100e-003	0.4695	2.6400e-003	0.4721	0.1245	2.4300e-003	0.1269		415.6289	415.6289	0.0101	9.4900e-003	418.7097
Total	0.1518	0.6708	1.7020	7.0200e-003	0.5719	6.0200e-003	0.5779	0.1540	5.6600e-003	0.1597		729.2784	729.2784	0.0206	0.0549	746.1539

Mitigated Construction On-Site

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1538	1.4395	1.7172	2.2900e-003		0.0890	0.0890		0.0818	0.0818	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1538	1.4395	1.7172	2.2900e-003		0.0890	0.0890		0.0818	0.0818	0.0000	222.0463	222.0463	0.0718		223.8416

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0177	0.5808	0.2287	2.9100e-003	0.1025	3.3800e-003	0.1058	0.0295	3.2300e-003	0.0327		313.6495	313.6495	0.0105	0.0454	327.4442
Worker	0.1341	0.0900	1.4733	4.1100e-003	0.4695	2.6400e-003	0.4721	0.1245	2.4300e-003	0.1269		415.6289	415.6289	0.0101	9.4900e-003	418.7097
Total	0.1518	0.6708	1.702	7.0200e-003	0.5719	6.0200e-003	0.5779	0.1540	5.6600e-003	0.1597		729.2784	729.2784	0.0206	0.0549	746.1539

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
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Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Off-Road	0.1413	1.3253	1.7090	2.2900e-003		0.0765	0.0765		0.0704	0.0704		222.0463	222.0463	0.0718		223.8416
Total	0.1413	1.3253	1.7090	2.2900e-003		0.0765	0.0765		0.0704	0.0704		222.0463	222.0463	0.0718		223.8416

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.5834	0.2249	2.8700e-003	0.1025	3.3900e-003	0.1058	0.0295	3.2400e-003	0.0327		309.1373	309.1373	0.0105	0.0448	322.7571
Worker	0.1252	0.0804	1.3721	3.9900e-003	0.4695	2.5200e-003	0.4720	0.1245	2.3200e-003	0.1268		403.4785	403.4785	9.1300e-003	8.8400e-003	406.3405
Total	0.1424	0.6638	1.5970	6.8600e-003	0.5719	5.9100e-003	0.5778	0.1540	5.5600e-003	0.1596		712.6159	712.6159	0.0197	0.0537	729.0976

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Off-Road	0.1413	1.3253	1.7090	2.2900e-003		0.0765	0.0765		0.0704	0.0704	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1413	1.3253	1.7090	2.2900e-003		0.0765	0.0765		0.0704	0.0704	0.0000	222.0463	222.0463	0.0718		223.8416

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.5834	0.2249	2.8700e-003	0.1025	3.3900e-003	0.1058	0.0295	3.2400e-003	0.0327		309.1373	309.1373	0.0105	0.0448	322.7571
Worker	0.1252	0.0804	1.3721	3.9900e-003	0.4695	2.5200e-003	0.4720	0.1245	2.3200e-003	0.1268		403.4785	403.4785	9.1300e-003	8.8400e-003	406.3405
Total	0.1424	0.6638	1.5970	6.8600e-003	0.5719	5.9100e-003	0.5778	0.1540	5.5600e-003	0.1596		712.6159	712.6159	0.0197	0.0537	729.0976

3.5 Paving - 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	0.2366	2.7801	4.0417	5.9200e-003		0.1171	0.1171		0.1077	0.1077		573.3702	573.3702	0.1854		578.0062

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2366	2.7801	4.0417	5.9200e-003		0.1171	0.1171		0.1077	0.1077		573.3702	573.3702	0.1854		578.0062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982
Total	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2366	2.7801	4.0417	5.9200e-003		0.1171	0.1171		0.1077	0.1077	0.0000	573.3702	573.3702	0.1854		578.0062

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2366	2.7801	4.0417	5.9200e-003		0.1171	0.1171		0.1077	0.1077	0.0000	573.3702	573.3702	0.1854		578.0062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982
Total	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982

3.6 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	4.3106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

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	4.4913	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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982
Total	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.3106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

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	4.4913	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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982
Total	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982

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
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Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Mitigated	0.6459	0.7177	6.9501	0.0165	1.7923	0.0114	1.8037	0.4776	0.0106	0.4883	1,678.6828	1,678.6828	0.0971	0.0661	1,700.8034	
Unmitigated	0.6459	0.7177	6.9501	0.0165	1.7923	0.0114	1.8037	0.4776	0.0106	0.4883	1,678.6828	1,678.6828	0.0971	0.0661	1,700.8034	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	1.53	3.84	4.29	6,486	6,486
High School	196.28	55.52	23.85	647,181	647,181
Total	197.81	59.36	28.15	653,667	653,667

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.541709	0.062136	0.185590	0.128486	0.023783	0.006533	0.012157	0.009216	0.000814	0.000497	0.024669	0.000753	0.00365
High School	0.541709	0.062136	0.185590	0.128486	0.023783	0.006533	0.012157	0.009216	0.000814	0.000497	0.024669	0.000753	0.00365

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331
NaturalGas Unmitigated	4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331

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
High School	394.04	4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331
Total		4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331

Mitigated

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	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
High School	0.39404	4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331
Total		4.2500e-003	0.0386	0.0325	2.3000e-004		2.9400e-003	2.9400e-003		2.9400e-003	2.9400e-003		46.3576	46.3576	8.9000e-004	8.5000e-004	46.6331

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3162	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003
Unmitigated	0.3162	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003

6.2 Area by SubCategory**Unmitigated**

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2806					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003
Total	0.3162	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003

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	0.0354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.2806					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003
Total	0.3162	1.0000e-005	1.6200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.4800e-003	3.4800e-003	1.0000e-005		3.7100e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Will Rogers Construction Phase 1 - South Coast AQMD Air District, Summer

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

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Will Rogers Construction Phase 2
South Coast AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	30.00	1000sqft	0.69	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Phase 2 – STEM Maker Space Classrooms, Outdoor Classrooms, Parking, and Drop-Off/Pick-Up Area

Construction Phase - Phases are scaled using CalEEMod defaults and total construction duration

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	195.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	AcresOfGrading	0.25	2.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.0342	0.3079	0.3959	1.0400e-003	0.0970	0.0113	0.1083	0.0186	0.0104	0.0291	0.0000	96.3305	96.3305	0.0174	5.8300e-003	98.5047
Maximum	0.0342	0.3079	0.3959	1.0400e-003	0.0970	0.0113	0.1083	0.0186	0.0104	0.0291	0.0000	96.3305	96.3305	0.0174	5.8300e-003	98.5047

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.0342	0.3079	0.3959	1.0400e-003	0.0552	0.0113	0.0664	0.0120	0.0104	0.0224	0.0000	96.3305	96.3305	0.0174	5.8300e-003	98.5047
Maximum	0.0342	0.3079	0.3959	1.0400e-003	0.0552	0.0113	0.0664	0.0120	0.0104	0.0224	0.0000	96.3305	96.3305	0.0174	5.8300e-003	98.5047

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	43.16	0.00	38.66	35.82	0.00	22.96	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	1-1-2025	3-31-2025	0.2034	0.2034
2	4-1-2025	6-30-2025	0.0521	0.0521
3	7-1-2025	9-30-2025	0.0527	0.0527

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

		Highest	0.2034	0.2034
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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3900e-003	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6605	1.6605	1.6000e-004	2.0000e-005	1.6701
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3900e-003	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.6612	1.6612	1.6000e-004	2.0000e-005	1.6709

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	2.3900e-003	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.6605	1.6605	1.6000e-004	2.0000e-005	1.6701
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3900e-003	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.6612	1.6612	1.6000e-004	2.0000e-005	1.6709

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	1/28/2025	5	20	
2	Coating	Architectural Coating	1/17/2025	1/31/2025	5	10	
3	Grading	Grading	1/29/2025	2/3/2025	5	4	
4	Building Construction	Building Construction	2/4/2025	11/3/2025	5	195	
5	Paving	Paving	11/4/2025	11/17/2025	5	10	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 2.54****Acres of Paving: 0.69****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,800 (Architectural****OffRoad Equipment**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Coating	Air Compressors	1	6.00	78	0.48
Grading	Rollers	1	7.00	80	0.38
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	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
Demolition	7	18.00	0.00	608.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	376.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2025**Unmitigated Construction On-Site**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0658	0.0000	0.0658	9.9600e-003	0.0000	9.9600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6300e-003	0.0751	0.1189	2.6000e-004		3.0500e-003	3.0500e-003		2.8000e-003	2.8000e-003	0.0000	22.9456	22.9456	7.4200e-003	0.0000	23.1311
Total	9.6300e-003	0.0751	0.1189	2.6000e-004	0.0658	3.0500e-003	0.0689	9.9600e-003	2.8000e-003	0.0128	0.0000	22.9456	22.9456	7.4200e-003	0.0000	23.1311

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.3000e-004	0.0385	0.0107	1.7000e-004	5.2300e-003	2.8000e-004	5.5100e-003	1.4400e-003	2.7000e-004	1.7000e-003	0.0000	16.7904	16.7904	9.7000e-004	2.6700e-003	17.6102
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.5000e-004	5.1000e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.4493	1.4493	3.0000e-005	3.0000e-005	1.4604
Total	1.1200e-003	0.0388	0.0158	1.9000e-004	7.2000e-003	2.9000e-004	7.5000e-003	1.9600e-003	2.8000e-004	2.2300e-003	0.0000	18.2397	18.2397	1.0000e-003	2.7000e-003	19.0706

Mitigated Construction On-Site

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0257	0.0000	0.0257	3.8900e-003	0.0000	3.8900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6300e-003	0.0751	0.1189	2.6000e-004		3.0500e-003	3.0500e-003		2.8000e-003	2.8000e-003	0.0000	22.9455	22.9455	7.4200e-003	0.0000	23.1311
Total	9.6300e-003	0.0751	0.1189	2.6000e-004	0.0257	3.0500e-003	0.0287	3.8900e-003	2.8000e-003	6.6900e-003	0.0000	22.9455	22.9455	7.4200e-003	0.0000	23.1311

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.3000e-004	0.0385	0.0107	1.7000e-004	5.2300e-003	2.8000e-004	5.5100e-003	1.4400e-003	2.7000e-004	1.7000e-003	0.0000	16.7904	16.7904	9.7000e-004	2.6700e-003	17.6102
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.5000e-004	5.1000e-003	2.0000e-005	1.9700e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.4493	1.4493	3.0000e-005	3.0000e-005	1.4604
Total	1.1200e-003	0.0388	0.0158	1.9000e-004	7.2000e-003	2.9000e-004	7.5000e-003	1.9600e-003	2.8000e-004	2.2300e-003	0.0000	18.2397	18.2397	1.0000e-003	2.7000e-003	19.0706

3.3 Coating - 2025**Unmitigated Construction On-Site**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4000e-004	6.3000e-003	9.9500e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4062
Total	3.2300e-003	6.3000e-003	9.9500e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1329	0.1329	0.0000	0.0000	0.1339
Total	5.0000e-005	3.0000e-005	4.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1329	0.1329	0.0000	0.0000	0.1339

Mitigated Construction On-Site

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4000e-004	6.3000e-003	9.9500e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4062
Total	3.2300e-003	6.3000e-003	9.9500e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	3.0000e-005	4.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1329	0.1329	0.0000	0.0000	0.1339
Total	5.0000e-005	3.0000e-005	4.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1329	0.1329	0.0000	0.0000	0.1339

3.4 Grading - 2025**Unmitigated Construction On-Site**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8500e-003	0.0000	2.8500e-003	9.7000e-004	0.0000	9.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-004	9.7500e-003	0.0135	2.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.8203	1.8203	5.9000e-004	0.0000	1.8351
Total	8.7000e-004	9.7500e-003	0.0135	2.0000e-005	2.8500e-003	3.9000e-004	3.2400e-003	9.7000e-004	3.6000e-004	1.3300e-003	0.0000	1.8203	1.8203	5.9000e-004	0.0000	1.8351

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	3.9000e-004	0.0238	6.5800e-003	1.0000e-004	3.2400e-003	1.7000e-004	3.4100e-003	8.9000e-004	1.6000e-004	1.0500e-003	0.0000	10.3836	10.3836	6.0000e-004	1.6500e-003	10.8905
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	8.5000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2415	0.2415	1.0000e-005	1.0000e-005	0.2434
Total	4.7000e-004	0.0239	7.4300e-003	1.0000e-004	3.5700e-003	1.7000e-004	3.7400e-003	9.8000e-004	1.6000e-004	1.1400e-003	0.0000	10.6251	10.6251	6.1000e-004	1.6600e-003	11.1339

Mitigated Construction On-Site

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1100e-003	0.0000	1.1100e-003	3.8000e-004	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-004	9.7500e-003	0.0135	2.0000e-005		3.9000e-004	3.9000e-004		3.6000e-004	3.6000e-004	0.0000	1.8203	1.8203	5.9000e-004	0.0000	1.8351
Total	8.7000e-004	9.7500e-003	0.0135	2.0000e-005	1.1100e-003	3.9000e-004	1.5000e-003	3.8000e-004	3.6000e-004	7.4000e-004	0.0000	1.8203	1.8203	5.9000e-004	0.0000	1.8351

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	3.9000e-004	0.0238	6.5800e-003	1.0000e-004	3.2400e-003	1.7000e-004	3.4100e-003	8.9000e-004	1.6000e-004	1.0500e-003	0.0000	10.3836	10.3836	6.0000e-004	1.6500e-003	10.8905
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	8.5000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2415	0.2415	1.0000e-005	1.0000e-005	0.2434
Total	4.7000e-004	0.0239	7.4300e-003	1.0000e-004	3.5700e-003	1.7000e-004	3.7400e-003	9.8000e-004	1.6000e-004	1.1400e-003	0.0000	10.6251	10.6251	6.1000e-004	1.6600e-003	11.1339

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1197	0.1658	2.2000e-004		6.4100e-003	6.4100e-003		5.9000e-003	5.9000e-003	0.0000	19.6401	19.6401	6.3500e-003	0.0000	19.7989
Total	0.0127	0.1197	0.1658	2.2000e-004		6.4100e-003	6.4100e-003		5.9000e-003	5.9000e-003	0.0000	19.6401	19.6401	6.3500e-003	0.0000	19.7989

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-004	0.0186	6.8500e-003	9.0000e-005	3.0700e-003	1.0000e-004	3.1800e-003	8.9000e-004	1.0000e-004	9.9000e-004	0.0000	8.3956	8.3956	2.9000e-004	1.2200e-003	8.7664
Worker	3.4600e-003	2.4400e-003	0.0359	1.1000e-004	0.0139	7.0000e-005	0.0140	3.6900e-003	7.0000e-005	3.7600e-003	0.0000	10.2052	10.2052	2.3000e-004	2.4000e-004	10.2835
Total	3.9600e-003	0.0210	0.0428	2.0000e-004	0.0170	1.7000e-004	0.0172	4.5800e-003	1.7000e-004	4.7500e-003	0.0000	18.6008	18.6008	5.2000e-004	1.4600e-003	19.0498

Mitigated Construction On-Site

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0127	0.1197	0.1658	2.2000e-004		6.4100e-003	6.4100e-003		5.9000e-003	5.9000e-003	0.0000	19.6401	19.6401	6.3500e-003	0.0000	19.7989
Total	0.0127	0.1197	0.1658	2.2000e-004		6.4100e-003	6.4100e-003		5.9000e-003	5.9000e-003	0.0000	19.6401	19.6401	6.3500e-003	0.0000	19.7989

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0000e-004	0.0186	6.8500e-003	9.0000e-005	3.0700e-003	1.0000e-004	3.1800e-003	8.9000e-004	1.0000e-004	9.9000e-004	0.0000	8.3956	8.3956	2.9000e-004	1.2200e-003	8.7664
Worker	3.4600e-003	2.4400e-003	0.0359	1.1000e-004	0.0139	7.0000e-005	0.0140	3.6900e-003	7.0000e-005	3.7600e-003	0.0000	10.2052	10.2052	2.3000e-004	2.4000e-004	10.2835
Total	3.9600e-003	0.0210	0.0428	2.0000e-004	0.0170	1.7000e-004	0.0172	4.5800e-003	1.7000e-004	4.7500e-003	0.0000	18.6008	18.6008	5.2000e-004	1.4600e-003	19.0498

3.6 Paving - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Category	tons/yr										MT/yr					
Off-Road	1.1200e-003	0.0132	0.0202	3.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	2.5997	2.5997	8.4000e-004	0.0000	2.6207
Paving	9.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0200e-003	0.0132	0.0202	3.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	2.5997	2.5997	8.4000e-004	0.0000	2.6207

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1000e-004	8.0000e-005	1.1300e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3221	0.3221	1.0000e-005	1.0000e-005	0.3245
Total	1.1000e-004	8.0000e-005	1.1300e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3221	0.3221	1.0000e-005	1.0000e-005	0.3245

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Category	tons/yr										MT/yr					
Off-Road	1.1200e-003	0.0132	0.0202	3.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	2.5997	2.5997	8.4000e-004	0.0000	2.6207
Paving	9.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.0200e-003	0.0132	0.0202	3.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	2.5997	2.5997	8.4000e-004	0.0000	2.6207

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1000e-004	8.0000e-005	1.1300e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3221	0.3221	1.0000e-005	1.0000e-005	0.3245
Total	1.1000e-004	8.0000e-005	1.1300e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3221	0.3221	1.0000e-005	1.0000e-005	0.3245

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

5.0 Energy Detail

Historical Energy Use: N

[illegible]

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
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

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	10500	1.6605	1.6000e-004	2.0000e-005	1.6701
Total		1.6605	1.6000e-004	2.0000e-005	1.6701

Mitigated

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	10500	1.6605	1.6000e-004	2.0000e-005	1.6701
Total		1.6605	1.6000e-004	2.0000e-005	1.6701

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3900e-003	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004
Unmitigated	2.3900e-003	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

SubCategory	tons/yr										MT/yr					
Architectural Coating	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004
Total	2.4000e-003	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004

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	4.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004
Total	2.4000e-003	0.0000	3.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.4000e-004	7.4000e-004	0.0000	0.0000	7.9000e-004

7.0 Water Detail**7.1 Mitigation Measures Water**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use**Unmitigated**

Waste Disposed	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Annual

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

Will Rogers Construction Phase 2
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	30.00	1000sqft	0.69	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	348.64	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1
- Land Use - Phase 2 – STEM Maker Space Classrooms, Outdoor Classrooms, Parking, and Drop-Off/Pick-Up Area
- Construction Phase - Phases are scaled using CalEEMod defaults and total construction duration
- Off-road Equipment - No building construction
- Off-road Equipment - Based on data request
- Off-road Equipment - based on data request
- Off-road Equipment - Based on data request
- Off-road Equipment - Based on data request
- Trips and VMT -
- Demolition -
- Grading - Based on data request
- Architectural Coating - SCAQMD's Rule 1113

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	100.00	195.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	5.00	10.00
tblGrading	AcresOfGrading	0.25	2.54
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	1.6741	17.3424	15.3934	0.0669	7.3467	0.3852	7.7319	1.2043	0.3595	1.5638	0.0000	7,171.9540	7,171.9540	0.9449	0.9129	7,460.8820
Maximum	1.6741	17.3424	15.3934	0.0669	7.3467	0.3852	7.7319	1.2043	0.3595	1.5638	0.0000	7,171.9540	7,171.9540	0.9449	0.9129	7,460.8820

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					
2025	1.6741	17.3424	15.3934	0.0669	3.3328	0.3852	3.7179	0.6938	0.3595	1.0073	0.0000	7,171.9540	7,171.9540	0.9449	0.9129	7,460.8820
Maximum	1.6741	17.3424	15.3934	0.0669	3.3328	0.3852	3.7179	0.6938	0.3595	1.0073	0.0000	7,171.9540	7,171.9540	0.9449	0.9129	7,460.88

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	54.64	0.00	51.91	42.39	0.00	35.59	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0132	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	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	0.0132	3.0000e-005	3.0600e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005	0.0000	6.9900e-003

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	0.0132	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	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	0.0132	3.0000e-005	3.0600e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005	0.0000	6.99E-03

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

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
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3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	1/28/2025	5	20	
2	Coating	Architectural Coating	1/17/2025	1/31/2025	5	10	
3	Grading	Grading	1/29/2025	2/3/2025	5	4	
4	Building Construction	Building Construction	2/4/2025	11/3/2025	5	195	
5	Paving	Paving	11/4/2025	11/17/2025	5	10	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 2.54****Acres of Paving: 0.69****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,800 (Architectural****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Coating	Air Compressors	1	6.00	78	0.48
Grading	Rollers	1	7.00	80	0.38
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Skid Steer Loaders	3	6.00	65	0.37

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	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
Demolition	7	18.00	0.00	608.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	376.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					6.5802	0.0000	6.5802	0.9963	0.0000	0.9963			0.0000			0.0000
Off-Road	0.9631	7.5050	11.8865	0.0261		0.3047	0.3047		0.2803	0.2803		2,529.3139	2,529.3139	0.8180		2,549.7647
Total	0.9631	7.5050	11.8865	0.0261	6.5802	0.3047	6.8849	0.9963	0.2803	1.2766		2,529.3139	2,529.3139	0.8180		2,549.7647

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0645	3.6515	1.0586	0.0168	0.5317	0.0278	0.5595	0.1458	0.0266	0.1724		1,849.9355	1,849.9355	0.1074	0.2941	1,940.2586
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0502	0.0310	0.5478	1.6500e-003	0.2012	1.0300e-003	0.2022	0.0534	9.5000e-004	0.0543		167.0257	167.0257	3.5300e-003	3.5400e-003	168.1695
Total	0.1147	3.6825	1.6064	0.0184	0.7329	0.0288	0.7618	0.1991	0.0276	0.2267		2,016.9613	2,016.9613	0.1109	0.2976	2,108.4281

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5663	0.0000	2.5663	0.3886	0.0000	0.3886			0.0000			0.0000
Off-Road	0.9631	7.5050	11.8865	0.0261		0.3047	0.3047		0.2803	0.2803	0.0000	2,529.3139	2,529.3139	0.8180		2,549.7647
Total	0.9631	7.5050	11.8865	0.0261	2.5663	0.3047	2.8710	0.3886	0.2803	0.6689	0.0000	2,529.3139	2,529.3139	0.8180		2,549.7647

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0645	3.6515	1.0586	0.0168	0.5317	0.0278	0.5595	0.1458	0.0266	0.1724		1,849.9355	1,849.9355	0.1074	0.2941	1,940.2586
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0502	0.0310	0.5478	1.6500e-003	0.2012	1.0300e-003	0.2022	0.0534	9.5000e-004	0.0543		167.0257	167.0257	3.5300e-003	3.5400e-003	168.1695
Total	0.1147	3.6825	1.6064	0.0184	0.7329	0.0288	0.7618	0.1991	0.0276	0.2267		2,016.9613	2,016.9613	0.1109	0.2976	2,108.4281

3.3 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	0.4172					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	0.5880	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3700e-003	5.1600e-003	0.0913	2.8000e-004	0.0335	1.7000e-004	0.0337	8.8900e-003	1.6000e-004	9.0500e-003		27.8376	27.8376	5.9000e-004	5.9000e-004	28.0283
Total	8.3700e-003	5.1600e-003	0.0913	2.8000e-004	0.0335	1.7000e-004	0.0337	8.8900e-003	1.6000e-004	9.0500e-003		27.8376	27.8376	5.9000e-004	5.9000e-004	28.0283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.4172					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	0.588	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

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3700e-003	5.1600e-003	0.0913	2.8000e-004	0.0335	1.7000e-004	0.0337	8.8900e-003	1.6000e-004	9.0500e-003		27.8376	27.8376	5.9000e-004	5.9000e-004	28.0283
Total	8.37E-03	5.16E-03	0.0913	2.8000e-004	0.0335	1.7000e-004	0.0337	8.8900e-003	1.6000e-004	9.05E-03		27.8376	27.8376	5.9000e-004	5.9000e-004	28.0283

3.4 Grading - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4262	0.0000	1.4262	0.4865	0.0000	0.4865			0.0000			0.0000
Off-Road	0.4334	4.8750	6.7661	0.0104		0.1944	0.1944		0.1789	0.1789		1,003.2848	1,003.2848	0.3245		1,011.3968
Total	0.4334	4.8750	6.7661	0.0104	1.4262	0.1944	1.6206	0.4865	0.1789	0.6654		1,003.2848	1,003.2848	0.3245		1,011.3968

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1994	11.2909	3.2734	0.0519	1.6442	0.0860	1.7302	0.4507	0.0823	0.5329		5,720.1954	5,720.1954	0.3320	0.9094	5,999.4838
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0419	0.0258	0.4565	1.3800e-003	0.1677	8.6000e-004	0.1685	0.0445	7.9000e-004	0.0453		139.1881	139.1881	2.9400e-003	2.9500e-003	140.1413
Total	0.2412	11.3168	3.7299	0.0533	1.8118	0.0868	1.8987	0.4952	0.0830	0.5782		5,859.3835	5,859.3835	0.3350	0.9123	6,139.6250

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.5562	0.0000	0.5562	0.1897	0.0000	0.1897			0.0000			0.0000
Off-Road	0.4334	4.8750	6.7661	0.0104		0.1944	0.1944		0.1789	0.1789	0.0000	1,003.2848	1,003.2848	0.3245		1,011.3968
Total	0.4334	4.8750	6.7661	0.0104	0.5562	0.1944	0.7506	0.1897	0.1789	0.3686	0.0000	1,003.2848	1,003.2848	0.3245		1,011.3968

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1994	11.2909	3.2734	0.0519	1.6442	0.0860	1.7302	0.4507	0.0823	0.5329		5,720.1954	5,720.1954	0.3320	0.9094	5,999.4838
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0419	0.0258	0.4565	1.3800e-003	0.1677	8.6000e-004	0.1685	0.0445	7.9000e-004	0.0453		139.1881	139.1881	2.9400e-003	2.9500e-003	140.1413
Total	0.2412	11.3168	3.7299	0.0533	1.8118	0.0868	1.8987	0.4952	0.0830	0.5782		5,859.3835	5,859.3835	0.3350	0.9123	6,139.6250

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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2800e-003	0.1815	0.0692	8.8000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0200e-003	0.0102		94.8446	94.8446	3.3000e-003	0.0138	99.0297
Worker	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558
Total	0.0416	0.2038	0.4649	2.0700e-003	0.1773	1.8000e-003	0.1791	0.0478	1.7000e-003	0.0495		215.4743	215.4743	5.8500e-003	0.0163	220.4855

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416

Mitigated Construction Off-Site

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2800e-003	0.1815	0.0692	8.8000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0200e-003	0.0102		94.8446	94.8446	3.3000e-003	0.0138	99.0297
Worker	0.0363	0.0224	0.3956	1.1900e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		120.6297	120.6297	2.5500e-003	2.5600e-003	121.4558
Total	0.0416	0.2038	0.4649	2.0700e-003	0.1773	1.8000e-003	0.1791	0.0478	1.7000e-003	0.0495		215.4743	215.4743	5.8500e-003	0.0163	220.4855

3.6 Paving - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971		573.1354	573.1354	0.1854		577.7695
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4044	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971		573.1354	573.1354	0.1854		577.7695

Unmitigated Construction Off-Site

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420
Total	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2236	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971	0.0000	573.1354	573.1354	0.1854		577.7695
Paving	0.1808					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.4044	2.6488	4.0295	5.9200e-003		0.1056	0.1056		0.0971	0.0971	0.0000	573.1354	573.1354	0.1854		577.7695

Mitigated Construction Off-Site

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420
Total	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420

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	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.00359

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - 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					
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
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

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					
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
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

6.0 Area Detail**6.1 Mitigation Measures Area**

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0132	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003
Unmitigated	0.0132	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003

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	2.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003
Total	0.0132	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003

Mitigated

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.2900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0106					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.8000e-004	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003
Total	0.0132	3.0000e-005	3.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.5700e-003	6.5700e-003	2.0000e-005		6.9900e-003

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
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Will Rogers Construction Phase 2 - South Coast AQMD Air District, Summer

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Will Rogers Construction Phase 3
South Coast AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	348.64	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Phase 3 – Multipurpose Culinary Café, Learning Garden, and Parking

Construction Phase - Phase are scaled using CalEEMod defaults and total construction duration

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Water And Wastewater -

Solid Waste -

Area Mitigation -

Fleet Mix -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_ Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_ Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	16.00
tblConstructionPhase	NumDays	100.00	321.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	2.00	6.00
tblConstructionPhase	NumDays	5.00	16.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialImported	0.00	500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

2.0 Emissions Summary

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0257	0.2169	0.3268	6.8000e-004	0.0223	9.2800e-003	0.0316	4.3000e-003	8.5400e-003	0.0128	0.0000	60.6618	60.6618	0.0168	9.4000e-004	61.3628
2027	0.0422	0.1743	0.2548	4.1000e-004	6.7600e-003	8.5100e-003	0.0153	1.8200e-003	7.8600e-003	9.6900e-003	0.0000	36.6809	36.6809	9.1900e-003	5.8000e-004	37.0835
Maximum	0.0422	0.2169	0.3268	6.8000e-004	0.0223	9.2800e-003	0.0316	4.3000e-003	8.5400e-003	0.0128	0.0000	60.6618	60.6618	0.0168	9.4000e-004	61.3628

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					
2026	0.0257	0.2169	0.3268	6.8000e-004	0.0136	9.2800e-003	0.0228	2.9900e-003	8.5400e-003	0.0115	0.0000	60.6617	60.6617	0.0168	9.4000e-004	61.3627
2027	0.0422	0.1743	0.2548	4.1000e-004	6.7600e-003	8.5100e-003	0.0153	1.8200e-003	7.8600e-003	9.6900e-003	0.0000	36.6809	36.6809	9.1900e-003	5.8000e-004	37.0835
Maximum	0.0422	0.2169	0.3268	6.8000e-004	0.0136	9.2800e-003	0.0228	2.9900e-003	8.5400e-003	0.0115	0.0000	60.6617	60.6617	0.0168	9.4000e-004	61.3627

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

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

Percent Reduction	0.00	0.00	0.00	0.00	30.07	0.00	18.67	21.41	0.00	5.86	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	6-1-2026	8-31-2026	0.1753	0.1753
2	9-1-2026	11-30-2026	0.0472	0.0472
3	12-1-2026	2-28-2027	0.0467	0.0467
4	3-1-2027	5-31-2027	0.0476	0.0476
5	6-1-2027	8-31-2027	0.0476	0.0476
6	9-1-2027	9-30-2027	0.0155	0.0155
		Highest	0.1753	0.1753

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	0.0408	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Energy	0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	191.3402	191.3402	8.8300e-003	3.0400e-003	192.4665
Mobile	0.2514	0.2295	2.0072	3.8200e-003	0.4451	2.8400e-003	0.4479	0.1188	2.6400e-003	0.1214	0.0000	353.8470	353.8470	0.0292	0.0190	360.2517
Waste						0.0000	0.0000		0.0000	0.0000	1.8533	0.0000	1.8533	0.1095	0.0000	4.5915
Water						0.0000	0.0000		0.0000	0.0000	0.9630	6.5906	7.5536	0.0995	2.4100e-003	10.7603
Total	0.3046	0.3424	2.1022	4.5000e-003	0.4451	0.0114	0.4565	0.1188	0.0112	0.1300	2.8163	551.7781	554.5944	0.2471	0.0245	568.0703

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.0408	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Energy	0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	191.3402	191.3402	8.8300e-003	3.0400e-003	192.4665
Mobile	0.2514	0.2295	2.0072	3.8200e-003	0.4451	2.8400e-003	0.4479	0.1188	2.6400e-003	0.1214	0.0000	353.8470	353.8470	0.0292	0.0190	360.2517
Waste						0.0000	0.0000		0.0000	0.0000	1.8533	0.0000	1.8533	0.1095	0.0000	4.5915
Water						0.0000	0.0000		0.0000	0.0000	0.9630	6.5906	7.5536	0.0995	2.4100e-003	10.7603
Total	0.3046	0.3424	2.1022	4.5000e-003	0.4451	0.0114	0.4565	0.1188	0.0112	0.1300	2.8163	551.7781	554.5944	0.2471	0.0245	568.0703

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2026	7/14/2026	5	32	
2	Grading	Grading	7/15/2026	7/22/2026	5	6	
3	Building Construction	Building Construction	7/23/2026	10/14/2027	5	321	

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

4	Paving	Paving	10/15/2027	11/5/2027	5	16
5	Coating	Architectural Coating	11/6/2027	11/29/2027	5	16

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0.54****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,000; Non-Residential Outdoor: 5,000; Striped Parking Area: 0 (Architectural****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	6.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	129.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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

Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	4.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0139	0.0000	0.0139	2.1100e-003	0.0000	2.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1201	0.1902	4.2000e-004		4.8700e-003	4.8700e-003		4.4800e-003	4.4800e-003	0.0000	36.7129	36.7129	0.0119	0.0000	37.0097
Total	0.0154	0.1201	0.1902	4.2000e-004	0.0139	4.8700e-003	0.0188	2.1100e-003	4.4800e-003	6.5900e-003	0.0000	36.7129	36.7129	0.0119	0.0000	37.0097

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

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

Hauling	1.3000e-004	8.0800e-003	2.2800e-003	3.0000e-005	1.1100e-003	6.0000e-005	1.1700e-003	3.0000e-004	6.0000e-005	3.6000e-004	0.0000	3.4934	3.4934	2.1000e-004	5.6000e-004	3.6641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.0000e-004	7.6700e-003	2.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.2477	2.2477	5.0000e-005	5.0000e-005	2.2644
Total	8.7000e-004	8.5800e-003	9.9500e-003	5.0000e-005	4.2700e-003	8.0000e-005	4.3500e-003	1.1400e-003	7.0000e-005	1.2100e-003	0.0000	5.7411	5.7411	2.6000e-004	6.1000e-004	5.9286

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.4200e-003	0.0000	5.4200e-003	8.2000e-004	0.0000	8.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1201	0.1902	4.2000e-004		4.8700e-003	4.8700e-003		4.4800e-003	4.4800e-003	0.0000	36.7128	36.7128	0.0119	0.0000	37.0097
Total	0.0154	0.1201	0.1902	4.2000e-004	5.4200e-003	4.8700e-003	0.0103	8.2000e-004	4.4800e-003	5.3000e-003	0.0000	36.7128	36.7128	0.0119	0.0000	37.0097

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

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

Hauling	1.3000e-004	8.0800e-003	2.2800e-003	3.0000e-005	1.1100e-003	6.0000e-005	1.1700e-003	3.0000e-004	6.0000e-005	3.6000e-004	0.0000	3.4934	3.4934	2.1000e-004	5.6000e-004	3.6641
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	5.0000e-004	7.6700e-003	2.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.2477	2.2477	5.0000e-005	5.0000e-005	2.2644
Total	8.7000e-004	8.5800e-003	9.9500e-003	5.0000e-005	4.2700e-003	8.0000e-005	4.3500e-003	1.1400e-003	7.0000e-005	1.2100e-003	0.0000	5.7411	5.7411	2.6000e-004	6.1000e-004	5.9286

3.3 Grading - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.3000e-004	0.0000	4.3000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	0.0121	0.0192	3.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690
Total	1.0600e-003	0.0121	0.0192	3.0000e-005	4.3000e-004	4.7000e-004	9.0000e-004	5.0000e-005	4.4000e-004	4.9000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	7.0000e-005	1.0400e-003	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.3044	0.3044	1.0000e-005	1.0000e-005	0.3066
Total	1.0000e-004	7.0000e-005	1.0400e-003	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.3044	0.3044	1.0000e-005	1.0000e-005	0.3066

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7000e-004	0.0000	1.7000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	0.0121	0.0192	3.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690
Total	1.0600e-003	0.0121	0.0192	3.0000e-005	1.7000e-004	4.7000e-004	6.4000e-004	2.0000e-005	4.4000e-004	4.6000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

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

Vendor	1.2000e-004	4.3900e-003	1.6100e-003	2.0000e-005	7.3000e-004	2.0000e-005	7.6000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	1.9603	1.9603	7.0000e-005	2.9000e-004	2.0470
Worker	6.0000e-004	4.0000e-004	6.1700e-003	2.0000e-005	2.5500e-003	1.0000e-005	2.5600e-003	6.8000e-004	1.0000e-005	6.9000e-004	0.0000	1.8106	1.8106	4.0000e-005	4.0000e-005	1.8241
Total	7.2000e-004	4.7900e-003	7.7800e-003	4.0000e-005	3.2800e-003	3.0000e-005	3.3200e-003	8.9000e-004	3.0000e-005	9.2000e-004	0.0000	3.7709	3.7709	1.1000e-004	3.3000e-004	3.8711

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.5600e-003	0.0712	0.0986	1.3000e-004		3.8100e-003	3.8100e-003		3.5100e-003	3.5100e-003	0.0000	11.6833	11.6833	3.7800e-003	0.0000	11.7778
Total	7.5600e-003	0.0712	0.0986	1.3000e-004		3.8100e-003	3.8100e-003		3.5100e-003	3.5100e-003	0.0000	11.6833	11.6833	3.7800e-003	0.0000	11.7778

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2000e-004	4.3900e-003	1.6100e-003	2.0000e-005	7.3000e-004	2.0000e-005	7.6000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	1.9603	1.9603	7.0000e-005	2.9000e-004	2.0470

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

Worker	6.0000e-004	4.0000e-004	6.1700e-003	2.0000e-005	2.5500e-003	1.0000e-005	2.5600e-003	6.8000e-004	1.0000e-005	6.9000e-004	0.0000	1.8106	1.8106	4.0000e-005	4.0000e-005	1.8241
Total	7.2000e-004	4.7900e-003	7.7800e-003	4.0000e-005	3.2800e-003	3.0000e-005	3.3200e-003	8.9000e-004	3.0000e-005	9.2000e-004	0.0000	3.7709	3.7709	1.1000e-004	3.3000e-004	3.8711

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0134	0.1259	0.1743	2.4000e-004		6.7400e-003	6.7400e-003		6.2000e-003	6.2000e-003	0.0000	20.6473	20.6473	6.6800e-003	0.0000	20.8142
Total	0.0134	0.1259	0.1743	2.4000e-004		6.7400e-003	6.7400e-003		6.2000e-003	6.2000e-003	0.0000	20.6473	20.6473	6.6800e-003	0.0000	20.8142

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0000e-004	7.7000e-003	2.8200e-003	3.0000e-005	1.2900e-003	4.0000e-005	1.3400e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	3.3953	3.3953	1.2000e-004	4.9000e-004	3.5456
Worker	1.0000e-003	6.5000e-004	0.0103	3.0000e-005	4.5000e-003	2.0000e-005	4.5200e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.1099	3.1099	6.0000e-005	7.0000e-005	3.1324

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Total	1.2000e-003	8.3500e-003	0.0131	6.0000e-005	5.7900e-003	6.0000e-005	5.8600e-003	1.5600e-003	6.0000e-005	1.6200e-003	0.0000	6.5052	6.5052	1.8000e-004	5.6000e-004	6.6780
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0134	0.1259	0.1743	2.4000e-004		6.7400e-003	6.7400e-003		6.2000e-003	6.2000e-003	0.0000	20.6473	20.6473	6.6800e-003	0.0000	20.8142
Total	0.0134	0.1259	0.1743	2.4000e-004		6.7400e-003	6.7400e-003		6.2000e-003	6.2000e-003	0.0000	20.6473	20.6473	6.6800e-003	0.0000	20.8142

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0000e-004	7.7000e-003	2.8200e-003	3.0000e-005	1.2900e-003	4.0000e-005	1.3400e-003	3.7000e-004	4.0000e-005	4.1000e-004	0.0000	3.3953	3.3953	1.2000e-004	4.9000e-004	3.5456
Worker	1.0000e-003	6.5000e-004	0.0103	3.0000e-005	4.5000e-003	2.0000e-005	4.5200e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.1099	3.1099	6.0000e-005	7.0000e-005	3.1324
Total	1.2000e-003	8.3500e-003	0.0131	6.0000e-005	5.7900e-003	6.0000e-005	5.8600e-003	1.5600e-003	6.0000e-005	1.6200e-003	0.0000	6.5052	6.5052	1.8000e-004	5.6000e-004	6.6780

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.8700e-003	0.0308	0.0507	8.0000e-005		1.2900e-003	1.2900e-003		1.1900e-003	1.1900e-003	0.0000	6.8184	6.8184	2.2100e-003	0.0000	6.8735
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8700e-003	0.0308	0.0507	8.0000e-005		1.2900e-003	1.2900e-003		1.1900e-003	1.1900e-003	0.0000	6.8184	6.8184	2.2100e-003	0.0000	6.8735

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9000e-004	1.3000e-004	2.0100e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6068	0.6068	1.0000e-005	1.0000e-005	0.6112
Total	1.9000e-004	1.3000e-004	2.0100e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6068	0.6068	1.0000e-005	1.0000e-005	0.6112

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.8700e-003	0.0308	0.0507	8.0000e-005		1.2900e-003	1.2900e-003		1.1900e-003	1.1900e-003	0.0000	6.8184	6.8184	2.2100e-003	0.0000	6.8735
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8700e-003	0.0308	0.0507	8.0000e-005		1.2900e-003	1.2900e-003		1.1900e-003	1.1900e-003	0.0000	6.8184	6.8184	2.2100e-003	0.0000	6.8735

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9000e-004	1.3000e-004	2.0100e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6068	0.6068	1.0000e-005	1.0000e-005	0.6112
Total	1.9000e-004	1.3000e-004	2.0100e-003	1.0000e-005	8.8000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.6068	0.6068	1.0000e-005	1.0000e-005	0.6112

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Coating - 2027****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0232					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3700e-003	9.1600e-003	0.0145	2.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	2.0426	2.0426	1.1000e-004	0.0000	2.0454
Total	0.0246	9.1600e-003	0.0145	2.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	2.0426	2.0426	1.1000e-004	0.0000	2.0454

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	2.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0607	0.0607	0.0000	0.0000	0.0611
Total	2.0000e-005	1.0000e-005	2.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0607	0.0607	0.0000	0.0000	0.0611

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0232					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3700e-003	9.1600e-003	0.0145	2.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	2.0426	2.0426	1.1000e-004	0.0000	2.0454
Total	0.0246	9.1600e-003	0.0145	2.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	2.0426	2.0426	1.1000e-004	0.0000	2.0454

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	2.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0607	0.0607	0.0000	0.0000	0.0611
Total	2.0000e-005	1.0000e-005	2.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0607	0.0607	0.0000	0.0000	0.0611

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.2514	0.2295	2.0072	3.8200e-003	0.4451	2.8400e-003	0.4479	0.1188	2.6400e-003	0.1214	0.0000	353.8470	353.8470	0.0292	0.0190	360.2517
Unmitigated	0.2514	0.2295	2.0072	3.8200e-003	0.4451	2.8400e-003	0.4479	0.1188	2.6400e-003	0.1214	0.0000	353.8470	353.8470	0.0292	0.0190	360.2517

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Quality Restaurant	838.40	900.40	719.70	1,182,041	1,182,041
Total	838.40	900.40	719.70	1,182,041	1,182,041

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.539139	0.063841	0.187327	0.126709	0.023805	0.006751	0.012629	0.009091	0.000821	0.000480	0.025164	0.000758	0.003487

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	68.4274	68.4274	6.4800e-003	7.9000e-004	68.8233
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	68.4274	68.4274	6.4800e-003	7.9000e-004	68.8233
NaturalGas Mitigated	0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9129	122.9129	2.3600e-003	2.2500e-003	123.6433
NaturalGas Unmitigated	0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9129	122.9129	2.3600e-003	2.2500e-003	123.6433

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
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

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

Land Use	kBTU/yr	tons/yr										MT/yr					
Quality Restaurant	2.30E+06	0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9129	122.9129	2.3600e-003	2.2500e-003	123.6433
Total		0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9129	122.9129	2.3600e-003	2.2500e-003	123.6433

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Quality Restaurant	2.3033e+06	0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9129	122.9129	2.3600e-003	2.2500e-003	123.6433
Total		0.0124	0.1129	0.0948	6.8000e-004		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	122.9129	122.9129	2.3600e-003	2.2500e-003	123.6433

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Quality Restaurant	432700	68.4274	6.4800e-003	7.9000e-004	68.8233
Total		68.4274	6.4800e-003	7.9000e-004	68.8233

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Quality Restaurant	432700	68.4274	6.4800e-003	7.9000e-004	68.8233
Total		68.4274	6.4800e-003	7.9000e-004	68.8233

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0408	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Unmitigated	0.0408	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Total	0.0408	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004

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	4.6400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0361					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Total	0.0408	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.0 Water Detail**

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.5536	0.0995	2.4100e-003	10.7603
Unmitigated	7.5536	0.0995	2.4100e-003	10.7603

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Quality Restaurant	3.03534 / 0.193745	7.5536	0.0995	2.4100e-003	10.7603
Total		7.5536	0.0995	2.4100e-003	10.7603

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

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

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Quality Restaurant	3.03534 / 0.193745	7.5536	0.0995	2.4100e-003	10.7603
Total		7.5536	0.0995	2.4100e-003	10.7603

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.8533	0.1095	0.0000	4.5915
Unmitigated	1.8533	0.1095	0.0000	4.5915

8.2 Waste by Land Use

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

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

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Quality Restaurant	9.13	1.8533	0.1095	0.0000	4.5915
Total		1.8533	0.1095	0.0000	4.5915

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Quality Restaurant	9.13	1.8533	0.1095	0.0000	4.5915
Total		1.8533	0.1095	0.0000	4.5915

9.0 Operational Offroad

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

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Will Rogers Construction Phase 3
South Coast AQMD Air District, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Quality Restaurant	10.00	1000sqft	0.23	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2028
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	348.64	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Phase 3 – Multipurpose Culinary Café, Learning Garden, and Parking

Construction Phase - Phase are scaled using CalEEMod defaults and total construction duration

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Water And Wastewater -

Solid Waste -

Area Mitigation -

Fleet Mix -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	16.00
tblConstructionPhase	NumDays	100.00	321.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	2.00	6.00
tblConstructionPhase	NumDays	5.00	16.00
tblGrading	MaterialExported	0.00	2,000.00
tblGrading	MaterialImported	0.00	500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	348.64

2.0 Emissions Summary

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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					
2026	1.0188	8.0120	12.5426	0.0299	1.1410	0.3093	1.4504	0.2043	0.2847	0.4890	0.0000	2,931.7699	2,931.7699	0.8356	0.0416	2,965.0539
2027	3.0702	3.8679	6.6024	0.0106	0.1118	0.1619	0.2736	0.0296	0.1489	0.1786	0.0000	1,026.9097	1,026.9097	0.3055	6.0200e-003	1,035.0720
Maximum	3.0702	8.012	12.5426	0.0299	1.1410	0.3093	1.4504	0.2043	0.2847	0.489	0.0000	2,931.7699	2,931.7699	0.8356	0.0416	2,965.0539

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					
2026	1.0188	8.0120	12.5426	0.0299	0.6108	0.3093	0.9201	0.1240	0.2847	0.4087	0.0000	2,931.7699	2,931.7699	0.8356	0.0416	2,965.0539
2027	3.0702	3.8679	6.6024	0.0106	0.1118	0.1619	0.2736	0.0296	0.1489	0.1786	0.0000	1,026.9097	1,026.9097	0.3055	6.0200e-003	1,035.0720
Maximum	3.0702	8.012	12.5426	0.0299	0.6108	0.3093	0.9201	0.1240	0.2847	0.4087	0	2,931.7699	2,931.7699	0.8356	0.0416	2,965.0539

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Percent Reduction	0.00	0.00	0.00	0.00	42.33	0.00	30.76	34.32	0.00	12.03	0.00	0.00	0.00	0.00	0.00	0.00
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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	0.2235	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Energy	0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130
Mobile	1.6242	1.2674	11.8520	0.0236	2.7012	0.0169	2.7181	0.7199	0.0157	0.7356		2,406.3869	2,406.3869	0.1843	0.1200	2,446.7668
Total	1.9157	1.8861	12.3727	0.0273	2.7012	0.0639	2.7651	0.7199	0.0628	0.7826		3,148.7904	3,148.7904	0.1985	0.1337	3,193.5821

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	0.2235	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Energy	0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130
Mobile	1.6242	1.2674	11.8520	0.0236	2.7012	0.0169	2.7181	0.7199	0.0157	0.7356		2,406.3869	2,406.3869	0.1843	0.1200	2,446.7668

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Total	1.9157	1.8861	12.3727	0.0273	2.7012	0.0639	2.7651	0.7199	0.0628	0.7826		3,148.7904	3,148.7904	0.1985	0.1337	3,193.5821
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2026	7/14/2026	5	32	
2	Grading	Grading	7/15/2026	7/22/2026	5	6	
3	Building Construction	Building Construction	7/23/2026	10/14/2027	5	321	
4	Paving	Paving	10/15/2027	11/5/2027	5	16	
5	Coating	Architectural Coating	11/6/2027	11/29/2027	5	16	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0.54****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 15,000; Non-Residential Outdoor: 5,000; Striped Parking Area: 0 (Architectural****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	6.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	129.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	4.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Fugitive Dust					0.8693	0.0000	0.8693	0.1316	0.0000	0.1316			0.0000			0.0000
Off-Road	0.9631	7.5050	11.8865	0.0261		0.3047	0.3047		0.2803	0.2803		2,529.3139	2,529.3139	0.8180		2,549.7647
Total	0.9631	7.5050	11.8865	0.0261	0.8693	0.3047	1.1740	0.1316	0.2803	0.4119		2,529.3139	2,529.3139	0.8180		2,549.7647

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.4600e-003	0.4789	0.1417	2.1800e-003	0.0705	3.6700e-003	0.0742	0.0193	3.5100e-003	0.0228		240.5589	240.5589	0.0143	0.0383	252.3163
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0473	0.0281	0.5144	1.6000e-003	0.2012	9.8000e-004	0.2022	0.0534	9.0000e-004	0.0543		161.8971	161.8971	3.2100e-003	3.3400e-003	162.9729
Total	0.0557	0.5071	0.6560	3.7800e-003	0.2717	4.6500e-003	0.2764	0.0727	4.4100e-003	0.0771		402.4560	402.4560	0.0175	0.0416	415.2892

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Fugitive Dust					0.3390	0.0000	0.3390	0.0513	0.0000	0.0513			0.0000			0.0000
Off-Road	0.9631	7.5050	11.8865	0.0261		0.3047	0.3047		0.2803	0.2803	0.0000	2,529.3139	2,529.3139	0.8180		2,549.7647
Total	0.9631	7.5050	11.8865	0.0261	0.3390	0.3047	0.6437	0.0513	0.2803	0.3316	0.0000	2,529.3139	2,529.3139	0.8180		2,549.7647

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.4600e-003	0.4789	0.1417	2.1800e-003	0.0705	3.6700e-003	0.0742	0.0193	3.5100e-003	0.0228		240.5589	240.5589	0.0143	0.0383	252.3163
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0473	0.0281	0.5144	1.6000e-003	0.2012	9.8000e-004	0.2022	0.0534	9.0000e-004	0.0543		161.8971	161.8971	3.2100e-003	3.3400e-003	162.9729
Total	0.0557	0.5071	0.656	3.7800e-003	0.2717	4.6500e-003	0.2764	0.0727	4.4100e-003	0.0771		402.4560	402.4560	0.0175	0.0416	415.2892

3.3 Grading - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Fugitive Dust					0.1426	0.0000	0.1426	0.0174	0.0000	0.0174			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455		899.9147	899.9147	0.2911		907.1910
Total	0.3523	4.0461	6.3914	9.3000e-003	0.1426	0.1582	0.3007	0.0174	0.1455	0.1629		899.9147	899.9147	0.2911		907.1910

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027
Total	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Fugitive Dust					0.0556	0.0000	0.0556	6.8000e-003	0.0000	6.8000e-003			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455	0.0000	899.9147	899.9147	0.2911		907.1910
Total	0.3523	4.0461	6.3914	9.3000e-003	0.0556	0.1582	0.2138	6.8000e-003	0.1455	0.1523	0.0000	899.9147	899.9147	0.2911		907.1910

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.1460	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027
Total	0.0341	0.0203	0.3715	1.1600e-003	0.1453	7.0000e-004	0.146	0.0385	6.5000e-004	0.0392		116.9257	116.9257	2.3200e-003	2.4100e-003	117.7027

3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Category	lb/day										lb/day					
Off-Road	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0700e-003	0.0721	0.0274	3.4000e-004	0.0128	4.2000e-004	0.0132	3.6900e-003	4.1000e-004	4.0900e-003		37.2264	37.2264	1.3200e-003	5.4100e-003	38.8713
Worker	0.0105	6.2500e-003	0.1143	3.6000e-004	0.0447	2.2000e-004	0.0449	0.0119	2.0000e-004	0.0121		35.9771	35.9771	7.1000e-004	7.4000e-004	36.2162
Total	0.0126	0.0783	0.1417	7.0000e-004	0.0575	6.4000e-004	0.0582	0.0156	6.1000e-004	0.0162		73.2035	73.2035	2.0300e-003	6.1500e-003	75.0875

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Off-Road	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0700e-003	0.0721	0.0274	3.4000e-004	0.0128	4.2000e-004	0.0132	3.6900e-003	4.1000e-004	4.0900e-003		37.2264	37.2264	1.3200e-003	5.4100e-003	38.8713
Worker	0.0105	6.2500e-003	0.1143	3.6000e-004	0.0447	2.2000e-004	0.0449	0.0119	2.0000e-004	0.0121		35.9771	35.9771	7.1000e-004	7.4000e-004	36.2162
Total	0.0126	0.0783	0.1417	7.0000e-004	0.0575	6.4000e-004	0.0582	0.0156	6.1000e-004	0.0162		73.2035	73.2035	2.0300e-003	6.1500e-003	75.0875

3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0716	0.0271	3.4000e-004	0.0128	4.2000e-004	0.0132	3.6900e-003	4.0000e-004	4.0900e-003		36.4844	36.4844	1.3200e-003	5.3100e-003	38.0989
Worker	9.9100e-003	5.7200e-003	0.1080	3.5000e-004	0.0447	2.0000e-004	0.0449	0.0119	1.9000e-004	0.0120		34.9652	34.9652	6.5000e-004	7.1000e-004	35.1916
Total	0.0119	0.0773	0.1351	6.9000e-004	0.0575	6.2000e-004	0.0581	0.0156	5.9000e-004	0.0161		71.4495	71.4495	1.9700e-003	6.0200e-003	73.2904

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0300e-003	0.0716	0.0271	3.4000e-004	0.0128	4.2000e-004	0.0132	3.6900e-003	4.0000e-004	4.0900e-003		36.4844	36.4844	1.3200e-003	5.3100e-003	38.0989
Worker	9.9100e-003	5.7200e-003	0.1080	3.5000e-004	0.0447	2.0000e-004	0.0449	0.0119	1.9000e-004	0.0120		34.9652	34.9652	6.5000e-004	7.1000e-004	35.1916
Total	0.0119	0.0773	0.1351	6.9000e-004	0.0575	6.2000e-004	0.0581	0.0156	5.9000e-004	0.0161		71.4495	71.4495	1.9700e-003	6.0200e-003	73.2904

3.5 Paving - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3586	3.8536	6.3325	9.7100e-003		0.1614	0.1614		0.1485	0.1485		939.4967	939.4967	0.3039		947.0930
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3586	3.8536	6.3325	9.7100e-003		0.1614	0.1614		0.1485	0.1485		939.4967	939.4967	0.3039		947.0930

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0248	0.0143	0.2699	8.6000e-004	0.1118	5.1000e-004	0.1123	0.0296	4.7000e-004	0.0301		87.4129	87.4129	1.6300e-003	1.7600e-003	87.9789
Total	0.0248	0.0143	0.2699	8.6000e-004	0.1118	5.1000e-004	0.1123	0.0296	4.7000e-004	0.0301		87.4129	87.4129	1.6300e-003	1.7600e-003	87.9789

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3586	3.8536	6.3325	9.7100e-003		0.1614	0.1614		0.1485	0.1485	0.0000	939.4967	939.4967	0.3039		947.0930
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.3586	3.8536	6.3325	9.7100e-003		0.1614	0.1614		0.1485	0.1485	0.0000	939.4967	939.4967	0.3039		947.0930

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0248	0.0143	0.2699	8.6000e-004	0.1118	5.1000e-004	0.1123	0.0296	4.7000e-004	0.0301		87.4129	87.4129	1.6300e-003	1.7600e-003	87.9789
Total	0.0248	0.0143	0.2699	8.6000e-004	0.1118	5.1000e-004	0.1123	0.0296	4.7000e-004	0.0301		87.4129	87.4129	1.6300e-003	1.7600e-003	87.9789

3.6 Coating - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.8969					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	3.0677	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4800e-003	1.4300e-003	0.0270	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.7413	8.7413	1.6000e-004	1.8000e-004	8.7979
Total	2.4800e-003	1.4300e-003	0.0270	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.7413	8.7413	1.6000e-004	1.8000e-004	8.7979

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.8969					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	3.0677	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

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4800e-003	1.4300e-003	0.0270	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.7413	8.7413	1.6000e-004	1.8000e-004	8.7979
Total	2.4800e-003	1.4300e-003	0.0270	9.0000e-005	0.0112	5.0000e-005	0.0112	2.9600e-003	5.0000e-005	3.0100e-003		8.7413	8.7413	1.6000e-004	1.8000e-004	8.7979

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	1.6242	1.2674	11.8520	0.0236	2.7012	0.0169	2.7181	0.7199	0.0157	0.7356		2,406.3869	2,406.3869	0.1843	0.1200	2,446.7668

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Unmitigated	1.6242	1.2674	11.8520	0.0236	2.7012	0.0169	2.7181	0.7199	0.0157	0.7356		2,406.3869	2,406.3869	0.1843	0.1200	2,446.7668
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Quality Restaurant	838.40	900.40	719.70	1,182,041	1,182,041
Total	838.40	900.40	719.70	1,182,041	1,182,041

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Quality Restaurant	0.539139	0.063841	0.187327	0.126709	0.023805	0.006751	0.012629	0.009091	0.000821	0.000480	0.025164	0.000758	0.00348

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					

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

NaturalGas Mitigated	0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130
NaturalGas Unmitigated	0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130

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					
Quality Restaurant	6310.41	0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130
Total		0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130

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					
Quality Restaurant	6.31041	0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130
Total		0.0681	0.6187	0.5197	3.7100e-003		0.0470	0.0470		0.0470	0.0470		742.4013	742.4013	0.0142	0.0136	746.8130

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2235	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Unmitigated	0.2235	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Total	0.2235	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

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	0.0254					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1980					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Total	0.2235	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

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
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10.0 Stationary Equipment

Will Rogers Construction Phase 3 - South Coast AQMD Air District, Summer

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Will Rogers Construction Phase 4
South Coast AQMD Air District, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	28.00	1000sqft	0.64	28,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	263	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Phase 4 – Elementary Classroom Building

Construction Phase - Phase are scaled using CalEEMod defaults and total construction duration

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_ Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_ Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	16.00
tblConstructionPhase	NumDays	100.00	321.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	2.00	6.00
tblConstructionPhase	NumDays	5.00	16.00
tblGrading	MaterialExported	0.00	2,411.00
tblGrading	MaterialImported	0.00	600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	263

2.0 Emissions Summary**2.1 Overall Construction**

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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					
2029	0.0265	0.2237	0.3361	7.4000e-004	0.0319	9.2700e-003	0.0412	6.4900e-003	8.5300e-003	0.0150	0.0000	66.5016	66.5016	0.0169	1.4600e-003	67.3604
2030	0.0853	0.1195	0.2702	5.6000e-004	0.0178	1.7000e-003	0.0195	4.7900e-003	1.6900e-003	6.4800e-003	0.0000	49.5999	49.5999	1.8500e-003	1.3800e-003	50.0579
Maximum	0.0853	0.2237	0.3361	7.4000e-004	0.0319	9.2700e-003	0.0412	6.4900e-003	8.5300e-003	0.0150	0.0000	66.5016	66.5016	0.0169	1.4600e-003	67.3604

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					
2029	0.0265	0.2237	0.3361	7.4000e-004	0.0211	9.2700e-003	0.0304	4.8700e-003	8.5300e-003	0.0134	0.0000	66.5016	66.5016	0.0169	1.4600e-003	67.3604
2030	0.0853	0.1195	0.2702	5.6000e-004	0.0178	1.7000e-003	0.0195	4.7900e-003	1.6900e-003	6.4800e-003	0.0000	49.5999	49.5999	1.8500e-003	1.3800e-003	50.0578
Maximum	0.0853	0.2237	0.3361	7.4000e-004	0.0211	9.2700e-003	0.0304	4.8700e-003	8.5300e-003	0.0134	0.0000	66.5016	66.5016	0.0169	1.4600e-003	67.3604

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	21.67	0.00	17.75	14.36	0.00	7.53	0.00	0.00	0.00	0.00	0.00	0.00

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2029	8-31-2029	0.1838	0.1838
2	9-1-2029	11-30-2029	0.0516	0.0516
3	12-1-2029	2-28-2030	0.0407	0.0407
4	3-1-2030	5-31-2030	0.0358	0.0358
5	6-1-2030	8-31-2030	0.0356	0.0356
6	9-1-2030	9-30-2030	0.0116	0.0116
		Highest	0.1838	0.1838

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	0.1142	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Energy	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	34.5781	34.5781	2.7000e-003	5.7000e-004	34.8167
Mobile	0.1507	0.1718	1.6077	3.8100e-003	0.4891	2.3800e-003	0.4915	0.1305	2.2200e-003	0.1328	0.0000	352.8973	352.8973	0.0220	0.0151	357.9361
Waste						0.0000	0.0000		0.0000	0.0000	7.3889	0.0000	7.3889	0.4367	0.0000	18.3056
Water						0.0000	0.0000		0.0000	0.0000	0.2950	4.6128	4.9077	0.0309	7.9000e-004	5.9137
Total	0.2664	0.1860	1.6199	3.8900e-003	0.4891	3.4600e-003	0.4926	0.1305	3.3000e-003	0.1338	7.6838	392.0889	399.7727	0.4923	0.0164	416.9729

Mitigated Operational

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1142	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Energy	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	34.5781	34.5781	2.7000e-003	5.7000e-004	34.8167
Mobile	0.1507	0.1718	1.6077	3.8100e-003	0.4891	2.3800e-003	0.4915	0.1305	2.2200e-003	0.1328	0.0000	352.8973	352.8973	0.0220	0.0151	357.9361
Waste						0.0000	0.0000		0.0000	0.0000	7.3889	0.0000	7.3889	0.4367	0.0000	18.3056
Water						0.0000	0.0000		0.0000	0.0000	0.2950	4.6128	4.9077	0.0309	7.9000e-004	5.9137
Total	0.2664	0.1860	1.6199	3.8900e-003	0.4891	3.4600e-003	0.4926	0.1305	3.3000e-003	0.1338	7.6838	392.0889	399.7727	0.4923	0.0164	416.9729

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2029	7/16/2029	5	32	
2	Grading	Grading	7/17/2029	7/24/2029	5	6	
3	Building Construction	Building Construction	7/25/2029	10/16/2030	5	321	
4	Paving	Paving	10/17/2030	11/7/2030	5	16	
5	Coating	Architectural Coating	11/8/2030	11/29/2030	5	16	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 0.66****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 42,000; Non-Residential Outdoor: 14,000; Striped Parking Area: 0 (Architectural****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38
Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	158.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	12.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.1 Mitigation Measures Construction**

Water Exposed Area

3.2 Demolition - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0171	0.0000	0.0171	2.5900e-003	0.0000	2.5900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1201	0.1902	4.2000e-004		4.8700e-003	4.8700e-003		4.4800e-003	4.4800e-003	0.0000	36.7129	36.7129	0.0119	0.0000	37.0097
Total	0.0154	0.1201	0.1902	4.2000e-004	0.0171	4.8700e-003	0.0220	2.5900e-003	4.4800e-003	7.0700e-003	0.0000	36.7129	36.7129	0.0119	0.0000	37.0097

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	9.5800e-003	2.8500e-003	4.0000e-005	1.3600e-003	7.0000e-005	1.4300e-003	3.7000e-004	7.0000e-005	4.4000e-004	0.0000	4.0191	4.0191	2.6000e-004	6.4000e-004	4.2161
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	3.9000e-004	6.5800e-003	2.0000e-005	3.1600e-003	1.0000e-005	3.1700e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.0788	2.0788	4.0000e-005	5.0000e-005	2.0933

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

Total	7.8000e-004	9.9700e-003	9.4300e-003	6.0000e-005	4.5200e-003	8.0000e-005	4.6000e-003	1.2100e-003	8.0000e-005	1.2900e-003	0.0000	6.0979	6.0979	3.0000e-004	6.9000e-004	6.3094
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.6800e-003	0.0000	6.6800e-003	1.0100e-003	0.0000	1.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.1201	0.1902	4.2000e-004		4.8700e-003	4.8700e-003		4.4800e-003	4.4800e-003	0.0000	36.7128	36.7128	0.0119	0.0000	37.0097
Total	0.0154	0.1201	0.1902	4.2000e-004	6.6800e-003	4.8700e-003	0.0116	1.0100e-003	4.4800e-003	5.4900e-003	0.0000	36.7128	36.7128	0.0119	0.0000	37.0097

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	9.5800e-003	2.8500e-003	4.0000e-005	1.3600e-003	7.0000e-005	1.4300e-003	3.7000e-004	7.0000e-005	4.4000e-004	0.0000	4.0191	4.0191	2.6000e-004	6.4000e-004	4.2161
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	3.9000e-004	6.5800e-003	2.0000e-005	3.1600e-003	1.0000e-005	3.1700e-003	8.4000e-004	1.0000e-005	8.5000e-004	0.0000	2.0788	2.0788	4.0000e-005	5.0000e-005	2.0933

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

Total	7.8000e-004	9.9700e-003	9.4300e-003	6.0000e-005	4.5200e-003	8.0000e-005	4.6000e-003	1.2100e-003	8.0000e-005	1.2900e-003	0.0000	6.0979	6.0979	3.0000e-004	6.9000e-004	6.3094
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3.3 Grading - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.2000e-004	0.0000	5.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	0.0121	0.0192	3.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690
Total	1.0600e-003	0.0121	0.0192	3.0000e-005	5.2000e-004	4.7000e-004	9.9000e-004	6.0000e-005	4.4000e-004	5.0000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-005	5.0000e-005	8.9000e-004	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.2815	0.2815	0.0000	1.0000e-005	0.2835

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

Total	8.0000e-005	5.0000e-005	8.9000e-004	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.2815	0.2815	0.0000	1.0000e-005	0.2835
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-004	0.0000	2.0000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0600e-003	0.0121	0.0192	3.0000e-005		4.7000e-004	4.7000e-004		4.4000e-004	4.4000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690
Total	1.0600e-003	0.0121	0.0192	3.0000e-005	2.0000e-004	4.7000e-004	6.7000e-004	2.0000e-005	4.4000e-004	4.6000e-004	0.0000	2.4492	2.4492	7.9000e-004	0.0000	2.4690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-005	5.0000e-005	8.9000e-004	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.2815	0.2815	0.0000	1.0000e-005	0.2835

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

Total	8.0000e-005	5.0000e-005	8.9000e-004	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.2815	0.2815	0.0000	1.0000e-005	0.2835
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3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.4300e-003	0.0700	0.0969	1.3000e-004		3.7500e-003	3.7500e-003		3.4500e-003	3.4500e-003	0.0000	11.4819	11.4819	3.7100e-003	0.0000	11.5747
Total	7.4300e-003	0.0700	0.0969	1.3000e-004		3.7500e-003	3.7500e-003		3.4500e-003	3.4500e-003	0.0000	11.4819	11.4819	3.7100e-003	0.0000	11.5747

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.7000e-004	0.0106	3.8600e-003	5.0000e-005	1.8000e-003	6.0000e-005	1.8600e-003	5.2000e-004	6.0000e-005	5.8000e-004	0.0000	4.5410	4.5410	1.7000e-004	6.6000e-004	4.7426
Worker	1.4800e-003	9.3000e-004	0.0156	5.0000e-005	7.5000e-003	3.0000e-005	7.5300e-003	1.9900e-003	3.0000e-005	2.0200e-003	0.0000	4.9372	4.9372	9.0000e-005	1.1000e-004	4.9716
Total	1.7500e-003	0.0115	0.0195	1.0000e-004	9.3000e-003	9.0000e-005	9.3900e-003	2.5100e-003	9.0000e-005	2.6000e-003	0.0000	9.4782	9.4782	2.6000e-004	7.7000e-004	9.7141

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.4300e-003	0.0700	0.0969	1.3000e-004		3.7500e-003	3.7500e-003		3.4500e-003	3.4500e-003	0.0000	11.4819	11.4819	3.7100e-003	0.0000	11.5747
Total	7.4300e-003	0.0700	0.0969	1.3000e-004		3.7500e-003	3.7500e-003		3.4500e-003	3.4500e-003	0.0000	11.4819	11.4819	3.7100e-003	0.0000	11.5747

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.7000e-004	0.0106	3.8600e-003	5.0000e-005	1.8000e-003	6.0000e-005	1.8600e-003	5.2000e-004	6.0000e-005	5.8000e-004	0.0000	4.5410	4.5410	1.7000e-004	6.6000e-004	4.7426
Worker	1.4800e-003	9.3000e-004	0.0156	5.0000e-005	7.5000e-003	3.0000e-005	7.5300e-003	1.9900e-003	3.0000e-005	2.0200e-003	0.0000	4.9372	4.9372	9.0000e-005	1.1000e-004	4.9716
Total	1.7500e-003	0.0115	0.0195	1.0000e-004	9.3000e-003	9.0000e-005	9.3900e-003	2.5100e-003	9.0000e-005	2.6000e-003	0.0000	9.4782	9.4782	2.6000e-004	7.7000e-004	9.7141

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2030****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0138	0.0758	0.1852	2.9000e-004		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	25.1275	25.1275	1.1100e-003	0.0000	25.1551
Total	0.0138	0.0758	0.1852	2.9000e-004		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	25.1275	25.1275	1.1100e-003	0.0000	25.1551

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.9000e-004	0.0191	6.9800e-003	8.0000e-005	3.2600e-003	1.1000e-004	3.3700e-003	9.4000e-004	1.0000e-004	1.0400e-003	0.0000	8.0937	8.0937	3.1000e-004	1.1800e-003	8.4533
Worker	2.5400e-003	1.5700e-003	0.0272	1.0000e-004	0.0136	5.0000e-005	0.0137	3.6200e-003	5.0000e-005	3.6700e-003	0.0000	8.7744	8.7744	1.5000e-004	1.9000e-004	8.8344
Total	3.0300e-003	0.0206	0.0342	1.8000e-004	0.0169	1.6000e-004	0.0171	4.5600e-003	1.5000e-004	4.7100e-003	0.0000	16.8682	16.8682	4.6000e-004	1.3700e-003	17.2877

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0138	0.0758	0.1852	2.9000e-004		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	25.1274	25.1274	1.1100e-003	0.0000	25.1551
Total	0.0138	0.0758	0.1852	2.9000e-004		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	25.1274	25.1274	1.1100e-003	0.0000	25.1551

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.9000e-004	0.0191	6.9800e-003	8.0000e-005	3.2600e-003	1.1000e-004	3.3700e-003	9.4000e-004	1.0000e-004	1.0400e-003	0.0000	8.0937	8.0937	3.1000e-004	1.1800e-003	8.4533
Worker	2.5400e-003	1.5700e-003	0.0272	1.0000e-004	0.0136	5.0000e-005	0.0137	3.6200e-003	5.0000e-005	3.6700e-003	0.0000	8.7744	8.7744	1.5000e-004	1.9000e-004	8.8344
Total	3.0300e-003	0.0206	0.0342	1.8000e-004	0.0169	1.6000e-004	0.0171	4.5600e-003	1.5000e-004	4.7100e-003	0.0000	16.8682	16.8682	4.6000e-004	1.3700e-003	17.2877

3.5 Paving - 2030**Unmitigated Construction On-Site**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3900e-003	0.0161	0.0347	6.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9965	4.9965	1.9000e-004	0.0000	5.0013
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3900e-003	0.0161	0.0347	6.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9965	4.9965	1.9000e-004	0.0000	5.0013

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3000e-004	8.0000e-005	1.4000e-003	0.0000	7.0000e-004	0.0000	7.0000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4521	0.4521	1.0000e-005	1.0000e-005	0.4552
Total	1.3000e-004	8.0000e-005	1.4000e-003	0.0000	7.0000e-004	0.0000	7.0000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4521	0.4521	1.0000e-005	1.0000e-005	0.4552

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3900e-003	0.0161	0.0347	6.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9965	4.9965	1.9000e-004	0.0000	5.0013
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3900e-003	0.0161	0.0347	6.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	4.9965	4.9965	1.9000e-004	0.0000	5.0013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3000e-004	8.0000e-005	1.4000e-003	0.0000	7.0000e-004	0.0000	7.0000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4521	0.4521	1.0000e-005	1.0000e-005	0.4552
Total	1.3000e-004	8.0000e-005	1.4000e-003	0.0000	7.0000e-004	0.0000	7.0000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4521	0.4521	1.0000e-005	1.0000e-005	0.4552

3.6 Coating - 2030**Unmitigated Construction On-Site**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0649					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	6.8500e-003	0.0144	2.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.0426	2.0426	8.0000e-005	0.0000	2.0447
Total	0.0659	6.8500e-003	0.0144	2.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.0426	2.0426	8.0000e-005	0.0000	2.0447

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	3.5000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1130	0.1130	0.0000	0.0000	0.1138
Total	3.0000e-005	2.0000e-005	3.5000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1130	0.1130	0.0000	0.0000	0.1138

Mitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0649					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	6.8500e-003	0.0144	2.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.0426	2.0426	8.0000e-005	0.0000	2.0447
Total	0.0659	6.8500e-003	0.0144	2.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	2.0426	2.0426	8.0000e-005	0.0000	2.0447

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	3.5000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1130	0.1130	0.0000	0.0000	0.1138
Total	3.0000e-005	2.0000e-005	3.5000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1130	0.1130	0.0000	0.0000	0.1138

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1507	0.1718	1.6077	3.8100e-003	0.4891	2.3800e-003	0.4915	0.1305	2.2200e-003	0.1328	0.0000	352.8973	352.8973	0.0220	0.0151	357.9361
Unmitigated	0.1507	0.1718	1.6077	3.8100e-003	0.4891	2.3800e-003	0.4915	0.1305	2.2200e-003	0.1328	0.0000	352.8973	352.8973	0.0220	0.0151	357.9361

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	393.96	111.44	47.88	1,299,001	1,299,001
Total	393.96	111.44	47.88	1,299,001	1,299,001

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
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.536554	0.065121	0.188839	0.125865	0.023954	0.006945	0.012855	0.008856	0.000818	0.000466	0.025582	0.000769	0.003378

5.0 Energy Detail

Historical Energy Use: N

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

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	19.1731	19.1731	2.4100e-003	2.9000e-004	19.3201
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	19.1731	19.1731	2.4100e-003	2.9000e-004	19.3201
NaturalGas Mitigated	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4051	15.4051	3.0000e-004	2.8000e-004	15.4966
NaturalGas Unmitigated	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4051	15.4051	3.0000e-004	2.8000e-004	15.4966

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					
High School	288680	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4051	15.4051	3.0000e-004	2.8000e-004	15.4966
Total		1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4051	15.4051	3.0000e-004	2.8000e-004	15.4966

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

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	288680	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4051	15.4051	3.0000e-004	2.8000e-004	15.4966
Total		1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4051	15.4051	3.0000e-004	2.8000e-004	15.4966

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	160720	19.1731	2.4100e-003	2.9000e-004	19.3201
Total		19.1731	2.4100e-003	2.9000e-004	19.3201

Mitigated

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	160720	19.1731	2.4100e-003	2.9000e-004	19.3201
Total		19.1731	2.4100e-003	2.9000e-004	19.3201

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1142	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004
Unmitigated	0.1142	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

SubCategory										tons/yr							MT/yr						
Architectural Coating	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.4000e-004		
Total	0.1142	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	7.4000e-004		

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	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Consumer Products	0.1012					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Landscaping	3.0000e-005	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004						
Total	0.1142	0.0000	3.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	0.0000	7.4000e-004						

7.0 Water Detail**7.1 Mitigation Measures Water**

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.9077	0.0309	7.9000e-004	5.9137
Unmitigated	4.9077	0.0309	7.9000e-004	5.9137

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.92973 / 2.39073	4.9077	0.0309	7.9000e-004	5.9137
Total		4.9077	0.0309	7.9000e-004	5.9137

Mitigated

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

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

Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	0.92973 / 2.39073	4.9077	0.0309	7.9000e-004	5.9137
Total		4.9077	0.0309	7.9000e-004	5.9137

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.3889	0.4367	0.0000	18.3056
Unmitigated	7.3889	0.4367	0.0000	18.3056

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

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

Land Use	tons	MT/yr			
High School	36.4	7.3889	0.4367	0.0000	18.3056
Total		7.3889	0.4367	0.0000	18.3056

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	36.4	7.3889	0.4367	0.0000	18.3056
Total		7.3889	0.4367	0.0000	18.3056

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Annual

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Will Rogers Construction Phase 4
South Coast AQMD Air District, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	28.00	1000sqft	0.64	28,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2031
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	263	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Intensity Factors from Appendix G CalEEMod 2022.1

Land Use - Phase 4 – Elementary Classroom Building

Construction Phase - Phase are scaled using CalEEMod defaults and total construction duration

Off-road Equipment - No building construction

Off-road Equipment - Based on data request

Off-road Equipment - based on data request

Off-road Equipment - Based on data request

Off-road Equipment - Based on data request

Trips and VMT -

Demolition -

Grading - Based on data request

Architectural Coating - SCAQMD's Rule 1113

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - SCAQMD's Rule 403

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblConstructionPhase	NumDays	5.00	16.00
tblConstructionPhase	NumDays	100.00	321.00
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	2.00	6.00
tblConstructionPhase	NumDays	5.00	16.00
tblGrading	MaterialExported	0.00	2,411.00
tblGrading	MaterialImported	0.00	600.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	263

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)**

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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					
2029	1.0129	8.0947	12.5053	0.0301	1.3575	0.3099	1.6674	0.2390	0.2852	0.5243	0.0000	2,955.8055	2,955.8055	0.8382	0.0470	2,990.7541
2030	8.2462	2.0203	4.5216	7.9100e-003	0.1662	0.0439	0.1776	0.0448	0.0439	0.0676	0.0000	753.5983	753.5983	0.0278	0.0144	754.6652
Maximum	8.2462	8.0947	12.5053	0.0301	1.3575	0.3099	1.6674	0.2390	0.2852	0.5243	0.0000	2,955.8055	2,955.8055	0.8382	0.0470	2,990.7541

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					
2029	1.0129	8.0947	12.5053	0.0301	0.7048	0.3099	1.0147	0.1402	0.2852	0.4255	0.0000	2,955.8055	2,955.8055	0.8382	0.0470	2,990.7541
2030	8.2462	2.0203	4.5216	7.9100e-003	0.1662	0.0439	0.1776	0.0448	0.0439	0.0676	0.0000	753.5983	753.5983	0.0278	0.0144	754.6652
Maximum	8.2462	8.0947	12.5053	0.0301	0.7048	0.3099	1.0147	0.1402	0.2852	0.4255	0.0000	2,955.8055	2,955.8055	0.8382	0.0470	2,990.7541

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	42.84	0.00	35.38	34.82	0.00	16.70	0.00	0.00	0.00	0.00	0.00	0.00

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	0.6258	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003
Energy	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005
Mobile	1.1188	1.1237	11.7127	0.0281	3.5457	0.0169	3.5626	0.9450	0.0158	0.9607		2,870.5288	2,870.5288	0.1698	0.1134	2,908.5609
Total	1.7531	1.2013	11.7807	0.0286	3.5457	0.0228	3.5685	0.9450	0.0217	0.9666		2,963.5825	2,963.5825	0.1716	0.1151	3,002.1679

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	0.6258	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003
Energy	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005
Mobile	1.1188	1.1237	11.7127	0.0281	3.5457	0.0169	3.5626	0.9450	0.0158	0.9607		2,870.5288	2,870.5288	0.1698	0.1134	2,908.5609
Total	1.7531	1.2013	11.7807	0.0286	3.5457	0.0228	3.5685	0.9450	0.0217	0.9666		2,963.5825	2,963.5825	0.1716	0.1151	3,002.1679

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2029	7/16/2029	5	32	
2	Grading	Grading	7/17/2029	7/24/2029	5	6	
3	Building Construction	Building Construction	7/25/2029	10/16/2030	5	321	
4	Paving	Paving	10/17/2030	11/7/2030	5	16	
5	Coating	Architectural Coating	11/8/2030	11/29/2030	5	16	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0.66****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 42,000; Non-Residential Outdoor: 14,000; Striped Parking Area: 0 (Architectural****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	8.00	158	0.38
Demolition	Forklifts	2	6.00	89	0.20
Demolition	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Skid Steer Loaders	2	6.00	65	0.37
Demolition	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Rollers	1	7.00	80	0.38

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Grading	Skid Steer Loaders	3	6.00	65	0.37
Grading	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Rollers	1	7.00	80	0.38
Paving	Skid Steer Loaders	2	7.00	65	0.37
Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	7	18.00	0.00	158.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	12.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0700	0.0000	1.0700	0.1620	0.0000	0.1620			0.0000			0.0000
Off-Road	0.9631	7.5050	11.8865	0.0261		0.3047	0.3047		0.2803	0.2803		2,529.3139	2,529.3139	0.8180		2,549.7647

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Total	0.9631	7.5050	11.8865	0.0261	1.0700	0.3047	1.3746	0.1620	0.2803	0.4423		2,529.3139	2,529.3139	0.8180		2,549.7647
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0101	0.5678	0.1774	2.5000e-003	0.0864	4.3900e-003	0.0908	0.0237	4.2000e-003	0.0279		276.7541	276.7541	0.0177	0.0441	290.3218
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0398	0.0220	0.4414	1.4800e-003	0.2012	7.9000e-004	0.2020	0.0534	7.3000e-004	0.0541		149.7376	149.7376	2.4800e-003	2.9100e-003	150.6676
Total	0.0499	0.5898	0.6188	3.9800e-003	0.2876	5.1800e-003	0.2927	0.0770	4.9300e-003	0.0820		426.4917	426.4917	0.0202	0.0470	440.9894

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4173	0.0000	0.4173	0.0632	0.0000	0.0632			0.0000			0.0000
Off-Road	0.9631	7.5050	11.8865	0.0261		0.3047	0.3047		0.2803	0.2803	0.0000	2,529.3139	2,529.3139	0.8180		2,549.7647

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Total	0.9631	7.5050	11.8865	0.0261	0.4173	0.3047	0.7220	0.0632	0.2803	0.3435	0.0000	2,529.3139	2,529.3139	0.8180		2,549.7647
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0101	0.5678	0.1774	2.5000e-003	0.0864	4.3900e-003	0.0908	0.0237	4.2000e-003	0.0279		276.7541	276.7541	0.0177	0.0441	290.3218
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0398	0.0220	0.4414	1.4800e-003	0.2012	7.9000e-004	0.2020	0.0534	7.3000e-004	0.0541		149.7376	149.7376	2.4800e-003	2.9100e-003	150.6676
Total	0.0499	0.5898	0.6188	3.9800e-003	0.2876	5.1800e-003	0.2927	0.0770	4.9300e-003	0.082		426.4917	426.4917	0.0202	0.0470	440.9894

3.3 Grading - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1734	0.0000	0.1734	0.0212	0.0000	0.0212			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455		899.9147	899.9147	0.2911		907.1910

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Total	0.3523	4.0461	6.3914	9.3000e-003	0.1734	0.1582	0.3316	0.0212	0.1455	0.1667		899.9147	899.9147	0.2911		907.1910
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0159	0.3188	1.0700e-003	0.1453	5.7000e-004	0.1459	0.0385	5.3000e-004	0.0391		108.1438	108.1438	1.7900e-003	2.1000e-003	108.8155
Total	0.0287	0.0159	0.3188	1.0700e-003	0.1453	5.7000e-004	0.1459	0.0385	5.3000e-004	0.0391		108.1438	108.1438	1.7900e-003	2.1000e-003	108.8155

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0676	0.0000	0.0676	8.2600e-003	0.0000	8.2600e-003			0.0000			0.0000
Off-Road	0.3523	4.0461	6.3914	9.3000e-003		0.1582	0.1582		0.1455	0.1455	0.0000	899.9147	899.9147	0.2911		907.1910

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Total	0.3523	4.0461	6.3914	9.3000e-003	0.0676	0.1582	0.2258	8.2600e-003	0.1455	0.1538	0.0000	899.9147	899.9147	0.2911		907.1910
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0159	0.3188	1.0700e-003	0.1453	5.7000e-004	0.1459	0.0385	5.3000e-004	0.0391		108.1438	108.1438	1.7900e-003	2.1000e-003	108.8155
Total	0.0287	0.0159	0.3188	1.0700e-003	0.1453	5.7000e-004	0.1459	0.0385	5.3000e-004	0.0391		108.1438	108.1438	1.7900e-003	2.1000e-003	108.8155

3.4 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605		222.0463	222.0463	0.0718		223.8416

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9400e-003	0.1766	0.0668	8.1000e-004	0.0320	1.0500e-003	0.0331	9.2200e-003	1.0000e-003	0.0102		87.7457	87.7457	3.3200e-003	0.0128	91.6377
Worker	0.0265	0.0146	0.2942	9.9000e-004	0.1341	5.3000e-004	0.1347	0.0356	4.9000e-004	0.0361		99.8251	99.8251	1.6500e-003	1.9400e-003	100.4451
Total	0.0314	0.1912	0.3610	1.8000e-003	0.1662	1.5800e-003	0.1677	0.0448	1.4900e-003	0.0463		187.5708	187.5708	4.9700e-003	0.0147	192.0828

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416
Total	0.1303	1.2278	1.7006	2.2900e-003		0.0657	0.0657		0.0605	0.0605	0.0000	222.0463	222.0463	0.0718		223.8416

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9400e-003	0.1766	0.0668	8.1000e-004	0.0320	1.0500e-003	0.0331	9.2200e-003	1.0000e-003	0.0102		87.7457	87.7457	3.3200e-003	0.0128	91.6377
Worker	0.0265	0.0146	0.2942	9.9000e-004	0.1341	5.3000e-004	0.1347	0.0356	4.9000e-004	0.0361		99.8251	99.8251	1.6500e-003	1.9400e-003	100.4451
Total	0.0314	0.1912	0.361	1.8000e-003	0.1662	1.5800e-003	0.1677	0.0448	1.4900e-003	0.0463		187.5708	187.5708	4.9700e-003	0.0147	192.0828

3.4 Building Construction - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1333	0.7323	1.7890	2.8300e-003		9.8900e-003	9.8900e-003		9.8900e-003	9.8900e-003		267.6162	267.6162	0.0118		267.9105
Total	0.1333	0.7323	1.7890	2.8300e-003		9.8900e-003	9.8900e-003		9.8900e-003	9.8900e-003		267.6162	267.6162	0.0118		267.9105

Unmitigated Construction Off-Site

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8800e-003	0.1755	0.0665	8.0000e-004	0.0320	1.0400e-003	0.0331	9.2200e-003	9.9000e-004	0.0102		86.1297	86.1297	3.3300e-003	0.0126	89.9541
Worker	0.0250	0.0136	0.2822	9.7000e-004	0.1341	4.9000e-004	0.1346	0.0356	4.6000e-004	0.0360		97.7071	97.7071	1.5300e-003	1.8700e-003	98.3036
Total	0.0299	0.1892	0.3487	1.7700e-003	0.1662	1.5300e-003	0.1677	0.0448	1.4500e-003	0.0462		183.8369	183.8369	4.8600e-003	0.0144	188.2577

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1333	0.7323	1.7890	2.8300e-003		9.8900e-003	9.8900e-003		9.8900e-003	9.8900e-003	0.0000	267.6162	267.6162	0.0118		267.9105
Total	0.1333	0.7323	1.7890	2.8300e-003		9.8900e-003	9.8900e-003		9.8900e-003	9.8900e-003	0.0000	267.6162	267.6162	0.0118		267.9105

Mitigated Construction Off-Site

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8800e-003	0.1755	0.0665	8.0000e-004	0.0320	1.0400e-003	0.0331	9.2200e-003	9.9000e-004	0.0102		86.1297	86.1297	3.3300e-003	0.0126	89.9541
Worker	0.0250	0.0136	0.2822	9.7000e-004	0.1341	4.9000e-004	0.1346	0.0356	4.6000e-004	0.0360		97.7071	97.7071	1.5300e-003	1.8700e-003	98.3036
Total	0.0299	0.1892	0.3487	1.7700e-003	0.1662	1.5300e-003	0.1677	0.0448	1.4500e-003	0.0462		183.8369	183.8369	4.8600e-003	0.0144	188.2577

3.5 Paving - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2991	2.0112	4.3335	7.2700e-003		0.0436	0.0436		0.0436	0.0436		688.4602	688.4602	0.0268		689.1295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2991	2.0112	4.3335	7.2700e-003		0.0436	0.0436		0.0436	0.0436		688.4602	688.4602	0.0268		689.1295

Unmitigated Construction Off-Site

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0167	9.0800e-003	0.1882	6.4000e-004	0.0894	3.3000e-004	0.0898	0.0237	3.0000e-004	0.0240		65.1381	65.1381	1.0200e-003	1.2500e-003	65.5358
Total	0.0167	9.0800e-003	0.1882	6.4000e-004	0.0894	3.3000e-004	0.0898	0.0237	3.0000e-004	0.0240		65.1381	65.1381	1.0200e-003	1.2500e-003	65.5358

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2991	2.0112	4.3335	7.2700e-003		0.0436	0.0436		0.0436	0.0436	0.0000	688.4602	688.4602	0.0268		689.1295
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2991	2.0112	4.3335	7.2700e-003		0.0436	0.0436		0.0436	0.0436	0.0000	688.4602	688.4602	0.0268		689.1295

Mitigated Construction Off-Site

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0167	9.0800e-003	0.1882	6.4000e-004	0.0894	3.3000e-004	0.0898	0.0237	3.0000e-004	0.0240		65.1381	65.1381	1.0200e-003	1.2500e-003	65.5358
Total	0.0167	9.0800e-003	0.1882	6.4000e-004	0.0894	3.3000e-004	0.0898	0.0237	3.0000e-004	0.0240		65.1381	65.1381	1.0200e-003	1.2500e-003	65.5358

3.6 Coating - 2030**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1113					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.2420	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1700e-003	2.2700e-003	0.0470	1.6000e-004	0.0224	8.0000e-005	0.0224	5.9300e-003	8.0000e-005	6.0000e-003		16.2845	16.2845	2.6000e-004	3.1000e-004	16.3839
Total	4.1700e-003	2.2700e-003	0.0470	1.6000e-004	0.0224	8.0000e-005	0.0224	5.9300e-003	8.0000e-005	6.0000e-003		16.2845	16.2845	2.6000e-004	3.1000e-004	16.3839

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.1113					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.2420	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1700e-003	2.2700e-003	0.0470	1.6000e-004	0.0224	8.0000e-005	0.0224	5.9300e-003	8.0000e-005	6.0000e-003		16.2845	16.2845	2.6000e-004	3.1000e-004	16.3839
Total	4.1700e-003	2.2700e-003	0.0470	1.6000e-004	0.0224	8.0000e-005	0.0224	5.9300e-003	8.0000e-005	6.0000e-003		16.2845	16.2845	2.6000e-004	3.1000e-004	16.3839

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	1.1188	1.1237	11.7127	0.0281	3.5457	0.0169	3.5626	0.9450	0.0158	0.9607		2,870.5288	2,870.5288	0.1698	0.1134	2,908.5609
Unmitigated	1.1188	1.1237	11.7127	0.0281	3.5457	0.0169	3.5626	0.9450	0.0158	0.9607		2,870.5288	2,870.5288	0.1698	0.1134	2,908.5609

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	393.96	111.44	47.88	1,299,001	1,299,001

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Total	393.96	111.44	47.88	1,299,001	1,299,001
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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.536554	0.065121	0.188839	0.125865	0.023954	0.006945	0.012855	0.008856	0.000818	0.000466	0.025582	0.000769	0.00337

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	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005
NaturalGas Unmitigated	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005

5.2 Energy by Land Use - NaturalGas
Unmitigated

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	790.904	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005
Total		8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	0.790904	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005
Total		8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0475	93.0475	1.7800e-003	1.7100e-003	93.6005

6.0 Area Detail**6.1 Mitigation Measures Area**

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6258	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003
Unmitigated	0.6258	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003

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	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003
Total	0.6258	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003

Mitigated

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.6000e-004	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003
Total	0.6258	3.0000e-005	2.8400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		6.1300e-003	6.1300e-003	2.0000e-005		6.5200e-003

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
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Will Rogers Construction Phase 4 - South Coast AQMD Air District, Summer

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Construction Fuel Usage Summary

		Diesel	Diesel	Diesel	Gasoline
Phase	Construction Year	Off-road Equipment (gallons)	On-road (gallons)	Off-road & On-road (gallons)	On-road (gallons)
1	2023	22,302	1,288	23,591	7,880
2	2025	14,270	3,204	17,473	1,602
3	2026	23,653	418	24,071	1,081
4	2029	22,926	5,412	28,338	2,255
	Sub Total	83,150	10,323	93,473	12,818

Total Gasoline	12,818	gallons
Total Diesel	93,473	gallons

Operational Energy Summary

Land Use	Electricity kWh/year	Electricity MWh/year	Natural Gas kBTU/year	Natural Gas therm/year
Phase 1	80,073	80	143,825	1,438
Phase 2	10,500	11	0	0
Phase 3	432,700	433	2,303,300	23,033
Phase 4	160,720	161	288,680	2,887
TOTAL	683,993	684	2,735,805	27,358

Construction Fuel Use

Phase 1 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Demolition	Excavators	1	8	158	0.38	29	2.6	1,817
Demolition	Forklifts	2	6	89	0.2	29	2.9	898
Demolition	Off-Highway	1	8	402	0.38	29	2.6	4,623
Demolition	Skid Steer Lo	2	6	65	0.37	29	2.9	1,214
Demolition	Tractors/Loa	1	6	97	0.37	29	2.9	906
Grading	Rollers	1	7	80	0.38	9	2.9	278
Grading	Skid Steer Lo	3	6	65	0.37	9	2.9	565
Grading	Tractors/Loa	1	6	97	0.37	9	2.9	281
Building Constr	Forklifts	2	6	89	0.2	324	2.9	10,037
Paving	Rollers	1	7	80	0.38	15	2.9	463
Paving	Skid Steer Lo	2	7	65	0.37	15	2.9	732
Coating	Air Compres	1	6	78	0.48	15	2.9	489
Sub TOTAL								22,302

Phase 2 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Demolition	Excavators	1	8	158	0.38	20	2.6	1,253
Demolition	Forklifts	2	6	89	0.2	20	2.9	620
Demolition	Off-Highway	1	8	402	0.38	20	2.6	3,188
Demolition	Skid Steer Lo	2	6	65	0.37	20	2.9	837
Demolition	Tractors/Loa	1	6	97	0.37	20	2.9	625
Coating	Air Compres	1	6	78	0.48	11	2.9	358
Grading	Rollers	1	7	80	0.38	4	2.9	123
Grading	Rubber Tired	1	1	247	0.4	4	2.6	52
Grading	Skid Steer Lo	3	6	65	0.37	4	2.9	251
Grading	Tractors/Loa	1	6	97	0.37	4	2.9	125
Building Constr	Forklifts	2	6	89	0.2	195	2.9	6,041
Paving	Rollers	1	7	80	0.38	10	2.9	309
Paving	Skid Steer Lo	2	7	65	0.37	10	2.9	488
Sub TOTAL								14,270

Year	Phase 1	Start Date	End Date	Network Days
2023	Demolition	2023/06/01	2023/07/11	29
2023	Grading	2023/08/11	2023/08/23	9
2023	Building Constr	2023/08/24	2024/11/19	324
2024	Paving	2024/11/20	2024/12/10	15
2024	Architectural C	2024/12/11	2024/12/31	15

Year	Phase 2	Start Date	End Date	Network Days
2025	Demolition	2025/01/01	2025/01/28	20
2025	Architectural C	2025/01/17	2025/01/31	11
2025	Grading	2025/01/29	2025/02/03	4
2025	Building Constr	2025/02/04	2025/11/03	195
2025	Paving	2025/11/04	2025/11/17	10

Phase 3 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Demolition	Excavators	1	8	158	0.38	32	2.6	2,005
Demolition	Forklifts	2	6	89	0.2	32	2.9	991
Demolition	Off-Highway	1	8	402	0.38	32	2.6	5,101
Demolition	Skid Steer Lo	2	6	65	0.37	32	2.9	1,339
Demolition	Tractors/Loa	1	6	97	0.37	32	2.9	999
Grading	Rollers	1	7	80	0.38	6	2.9	185
Grading	Skid Steer Lo	3	6	65	0.37	6	2.9	377
Grading	Tractors/Loa	1	6	97	0.37	6	2.9	187
Building Constr	Forklifts	2	6	89	0.2	321	2.9	9,944
Paving	Pavers	1	7	130	0.42	16	2.6	798
Paving	Rollers	1	6	80	0.38	16	2.9	423
Paving	Skid Steer Lo	2	7	65	0.37	16	2.9	781
Coating	Air Compres	1	6	78	0.48	16	2.9	521
Sub TOTAL								23,653

Phase 4 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Brake Specific Fuel Consumption (BSFC) (gal/hp-hour)	Diesel Fuel Usage
Demolition	Excavators	1	8	158	0.38	32	2.6	2,005
Demolition	Forklifts	2	6	89	0.2	32	2.9	991
Demolition	Off-Highway	1	8	402	0.38	32	2.6	5,101
Demolition	Skid Steer Lo	2	6	65	0.37	32	2.9	1,339
Demolition	Tractors/Loa	1	6	97	0.37	32	2.9	999
Grading	Rollers	1	7	80	0.38	6	2.9	185
Grading	Skid Steer Lo	3	6	65	0.37	6	2.9	377
Grading	Tractors/Loa	1	6	97	0.37	6	2.9	187
Building Constr	Forklifts	2	6	89	0.2	321	2.9	9,944
Paving	Rollers	1	7	80	0.38	16	2.9	494
Paving	Skid Steer Lo	2	7	65	0.37	16	2.9	781
Coating	Air Compres	1	6	78	0.48	16	2.9	521
Sub TOTAL								22,926
TOTAL								83,150

Year	Phase 3	Start Date	End Date	Network Days
2026	Demolition	2026/06/01	2026/07/14	32
2026	Grading	2026/07/15	2026/07/22	6
2026	Building Constr	2026/07/23	2027/10/14	321
2027	Paving	2027/10/15	2027/11/05	16
2027	Architectural C	2027/11/06	2027/11/29	16

Year	Phase 4	Start Date	End Date	Network Days
2029	Demolition	2029/06/01	2029/07/16	32
2029	Grading	2029/07/17	2029/07/24	6
2029	Building Constr	2029/07/25	2030/10/16	321
2030	Paving	2030/10/17	2030/11/07	16
2030	Architectural C	2030/11/08	2030/11/29	16

Trips and VMT

Phase 1

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	18	29	522	0	386	14.7	6.9	20	7673.4	0	7720	284	1270
Grading	13	9	117	0	0	14.7	6.9	20	1719.9	0	0	64	0
Building Constr	42	324	13608	16	0	14.7	6.9	20	200037.6	110.4	0	7402	18
Paving	8	15	120	0	0	14.7	6.9	20	1764	0	0	65	0
Coating	8	15	120	0	0	14.7	6.9	20	1764	0	0	65	0
Sub TOTAL												7,880	1,288

Phase 2

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	18.0	20.0	360.0	0.0	608.0	14.7	6.9	20.0	5292.0	0.0	12160.0	188.0	1976.2
Architectural Co	3.0	11.0	33.0	0.0	0.0	14.7	6.9	20.0	485.1	0.0	0.0	17.2	0.0
Grading	15.0	4.0	60.0	0.0	376.0	14.7	6.9	20.0	882.0	0.0	7520.0	31.3	1222.1
Building Constr	13.0	195.0	2535.0	5.0	0.0	14.7	6.9	20.0	37264.5	34.5	0.0	1323.7	5.6
Paving	8.0	10.0	80.0	0.0	0.0	14.7	6.9	20.0	1176.0	0.0	0.0	41.8	0.0
Sub TOTAL												1,602	3,204

Phase 3

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	18.0	32.0	576.0	0.0	129.0	14.7	6.9	20.0	8467.2	0.0	2580.0	294.6	416.2
Grading	13.0	6.0	78.0	0.0	0.0	14.7	6.9	20.0	1146.6	0.0	0.0	39.9	0.0
Building Constr	4.0	321.0	1284.0	2.0	0.0	14.7	6.9	20.0	18874.8	13.8	0.0	656.6	2.2
Paving	10.0	16.0	160.0	0.0	0.0	14.7	6.9	20.0	2352.0	0.0	0.0	81.8	0.0
Coating	1.0	16.0	16.0	0.0	0.0	14.7	6.9	20.0	235.2	0.0	0.0	8.2	0.0
Sub TOTAL												1,081	418

Phase 4

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Demolition	18.0	32.0	576.0	0.0	158.0	14.7	6.9	20.0	8467.2	0.0	3160.0	278.4	496.1
Grading	13.0	6.0	78.0	0.0	0.0	14.7	6.9	20.0	1146.6	0.0	0.0	37.7	0.0
Building Constr	12.0	321.0	3852.0	5.0	0.0	14.7	6.9	20.0	56624.4	34.5	0.0	1861.7	5.4
Paving	8.0	16.0	128.0	0.0	0.0	14.7	6.9	20.0	1881.6	0.0	0.0	61.9	0.0
Coating	2.0	16.0	32.0	0.0	0.0	14.7	6.9	20.0	470.4	0.0	0.0	15.5	0.0
Sub TOTAL												2,255	502
TOTAL												12,818	5,412

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2023, 2025, 2026, 2029
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Santa Clara	2023	LDA	Aggregate	Aggregate	Gasoline	601938.3153	22370251.09	2795479.204	755.0773571	-	29.63	27.03	6.08
Santa Clara	2023	LDT1	Aggregate	Aggregate	Gasoline	53782.25287	1744480.187	239737.9214	69.91430754	-	24.95		
Santa Clara	2023	LDT2	Aggregate	Aggregate	Gasoline	280180.4214	10140966.51	1311795.544	424.3286684	-	23.90		
Santa Clara	2023	T7 Tractor	Aggregate	Aggregate	Diesel	2160.227312	170340.6719	31388.10285		28.02806259	6.08		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2023, 2025, 2026, 2029
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Santa Clara	2025	LDA	Aggregate	Aggregate	Gasoline	598860.2841	22133914.69	2780384.029	717.2291564	-	31	28.15	6.15
Santa Clara	2025	LDT1	Aggregate	Aggregate	Gasoline	51680.85517	1664705.874	230185.983	64.46812681	-	26		
Santa Clara	2025	LDT2	Aggregate	Aggregate	Gasoline	290874.748	10447705.78	1360240.873	416.8590541	-	25		
Santa Clara	2025	T7 Tractor	Aggregate	Aggregate	Diesel	2407.017693	174661.72	34973.96708		28.38492873	6		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2023, 2025, 2026, 2029
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Santa Clara	2026	LDA	Aggregate	Aggregate	Gasoline	598869.7901	22031465.99	2780456.286	698.9050215	-	31.52	28.74	6.20
Santa Clara	2026	LDT1	Aggregate	Aggregate	Gasoline	50750.46627	1625960.476	225981.5443	61.85304188	-	26.29		
Santa Clara	2026	LDT2	Aggregate	Aggregate	Gasoline	296178.924	10561284.8	1383933.976	411.8229216	-	25.65		
Santa Clara	2026	T7 Tractor	Aggregate	Aggregate	Diesel	2521.889093	176776.0812	36643.04853		28.51828267	6.20		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: County
Region: Santa Clara
Calendar Year: 2023, 2025, 2026, 2029
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Santa Clara	2029	LDA	Aggregate	Aggregate	Gasoline	601100.9241	21974247.74	2791408.346	658.1987779	-	33.39	30.42	6.37
Santa Clara	2029	LDT1	Aggregate	Aggregate	Gasoline	48318.69428	1536414.268	215179.526	55.50513498	-	27.68		
Santa Clara	2029	LDT2	Aggregate	Aggregate	Gasoline	310989.8804	10911556.05	1448446.961	400.9860859	-	27.21		
Santa Clara	2029	T7 Tractor	Aggregate	Aggregate	Diesel	2798.767232	180826.1566	40666.08788		28.38963818	6.37		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).