

Appendix C

Air Quality CalEEMod Modeling

	April				May				June				July				August			
	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5
SEGMENT A (2021/2022)																				
Initial Clearing and Rough Grading(6 weeks)	2.3	24.3	4.5	2.8	2.3	24.3	4.5	2.8	2.3	24.3	4.5	2.8								
New Bridge #2 Construction(10 weeks)									1.2	11.6	0.6	0.5	1.2	11.6	0.6	0.5	1.2	11.6	0.6	0.5
New Bridge #4 Construction(10 weeks)													1.6	16.5	0.8	0.7	1.6	16.5	0.8	0.7
Darling Bridge Widening(12 weeks)																				
Finish grading(3 weeks)													1.0	12.2	1.1	0.5	1.0	12.2	1.1	0.5
Retaining Walls/Railings and Undercrossings(8 weeks)													1.3	12.7	0.7	0.6	1.3	12.7	0.7	0.6
Drainage, Utilities and Bank Stabilization(4 weeks)													0.4	3.2	0.2	0.1	0.4	3.2	0.2	0.1
Paving (trail and trailhead)(6 weeks)																				
Planting/Erosion Control/Miscellaneous(4 weeks)																				
SEGMENT TOTAL	2.3	24.3	4.5	2.8	2.3	24.3	4.5	2.8	3.5	36.0	5.1	3.3	5.4	56.2	3.6	2.5	5.4	56.2	3.6	2.5
SEGMENT B (2021/2022)																				
Initial Clearing and Rough Grading					1.6	17.0	1.2	0.8	1.6	17.0	1.2	0.8	1.6	17.0	1.2	0.8				
New Bridge #13 Construction																	1.4	14.0	0.8	0.7
Retaining Walls/Railings Undercrossing													0.5	4.9	0.3	0.2	0.5	4.9	0.3	0.2
Drainage and Bank Stabilization																	0.4	3.7	0.3	0.2
Finish grading													0.9	9.9	0.9	0.4	0.9	9.9	0.9	0.4
Paving																				
Planting/Erosion Control/Miscellaneous																				
SEGMENT TOTAL	0.0	0.0	0.0	0.0	1.6	17.0	1.2	0.8	1.6	17.0	1.2	0.8	3.0	31.9	2.4	1.4	3.1	32.6	2.3	1.5
SEGMENT C (2021/2022)																				
Initial Clearing and Rough Grading																				
Drainage and Bank Stabilization																				
Finish grading																				
Paving																				
Planting/Erosion Control/Miscellaneous																				
SEGMENT TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SEGMENT D (2023/2024)																				
Initial Clearing and Rough Grading	1.8	18.0	4.4	2.5	1.8	18.0	4.4	2.5	1.8	18.0	4.4	2.5								
Rocky Ridge Undercrossing													1.9	18.8	1.0	0.8	1.9	18.8	1.0	0.8
New Bridge #20 Construction									1.1501	11.4754	0.6296	0.518	1.1501	11.4754	0.6296	0.518	1.1501	11.4754	0.6296	0.518
New Bridge #30 Construction																				
Existing Bridge #21 Rehab/Widening																	0.9261	9.0372	0.5464	0.4323
Old Auburn Undercrossing																				
Finish grading													0.7774	8.6927	1.0594	0.3782	0.7774	8.6927	1.0594	0.3782
Drainage and Bank Stabilization													0.2269	1.7947	0.1632	0.0792	0.2269	1.7947	0.1632	0.0792
Paving																	0.6163	6.1868	0.4116	0.2983
Planting/Erosion Control/Miscellaneous																				
SEGMENT TOTAL	1.8	18.0	4.4	2.5	1.8	18.0	4.4	2.5	3.0	29.5	5.0	3.0	4.1	40.7	2.8	1.8	5.6	56.0	3.8	2.6
Summary Tables																				
	April				May				June				July				August			
	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5
Segments 1-3 Combined Emissions	2.3	24.3	4.5	2.8	4.0	41.4	5.6	3.5	5.2	53.0	6.3	4.1	8.4	88.1	6.0	3.9	8.5	88.8	5.8	3.9
Segment 4	1.8	18.0	4.4	2.5	1.8	18.0	4.4	2.5	3.0	29.5	5.0	3.0	4.1	40.7	2.8	1.8	5.6	56.0	3.8	2.6
Threshold	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A
Segments 1-3 Exceeded? (False/True)	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE
Segment 4 Exceeded? (False/True)	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	Years Combined				Year 1				Year 2			
	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5
Segment A (Emissions (Max))	5.4	56.2	5.1	3.3	5	56	5	3	5	51	4	3
Segment B (Emissions (Max))	3.1	32.6	2.4	1.5	3	33	2	1	2	17	1	1
Segment C (Emissions (Max))	3.8	39.7	9.0	5.0	1	11	1	1	4	40	9	5
Segment D (Emissions Max)	5.6	56.0	5.0	3.0	6	56	5	3	3	29	5	3
Segments A-C Combined Emissions (Max)	9.9	105.6	13.4	7.9	8	89	6	4	10	106	13	8
Threshold	82	82	82	N/A								
Segments 1-3 Exceeded? (False/True)	FALSE	TRUE	FALSE	FALSE								
Segment 4 Exceeded? (False/True)	FALSE	FALSE	FALSE	FALSE								

	September				October				April				May				June			
	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5
SEGMENT A (2021/2022)																				
Initial Clearing and Rough Grading(6 weeks)									2.3	24.3	4.5	2.8								
New Bridge #2 Construction(10 weeks)																				
New Bridge #4 Construction(10 weeks)	1.6	16.5	0.8	0.7																
Darling Bridge Widening(12 weeks)													2.5	26.1	1.3	1.2	2.5	26.1	1.3	1.2
Finish grading(3 weeks)																				
Retaining Walls/Railings and Undercrossings(8 weeks)	1.3	12.7	0.7	0.6													1.3	12.7	0.7	0.6
Drainage, Utilities and Bank Stabilization(4 weeks)																				
Paving (trail and trailhead)(6 weeks)	0.7	7.7	0.5	0.4	0.7	7.7	0.5	0.4												
Planting/Erosion Control/Miscellaneous(4 weeks)					0.4	3.6	0.2	0.2												
SEGMENT TOTAL	3.6	36.8	2.1	1.7	1.2	11.3	0.7	0.6	2.3	24.3	4.5	2.8	2.5	26.1	1.3	1.2	3.8	38.8	2.0	1.8
SEGMENT B (2021/2022)																				
Initial Clearing and Rough Grading									1.6	17.0	1.2	0.8								
New Bridge #13 Construction	1.4	14.0	0.8	0.7	1.4	14.0	0.8	0.7												
Retaining Walls/Railings Undercrossing													0.5	4.9	0.3	0.2	0.5	4.9	0.3	0.2
Drainage and Bank Stabilization																				
Finish grading																				
Paving	0.7	7.0	0.5	0.4	0.7	7.0	0.5	0.4												
Planting/Erosion Control/Miscellaneous					0.3	2.1	0.2	0.1												
SEGMENT TOTAL	2.1	20.9	1.3	1.0	2.3	23.0	1.5	1.2	1.6	17.0	1.2	0.8	0.5	4.9	0.3	0.2	0.5	4.9	0.3	0.2
SEGMENT C (2021/2022)																				
Initial Clearing and Rough Grading									1.8	18.2	1.4	0.8	1.8	18.2	1.4	0.8	1.8	18.2	1.4	0.8
Drainage and Bank Stabilization																	0.2621	2.2585	0.1824	0.097
Finish grading																	1.7817	19.2064	7.3782	4.1247
Paving	0.8294	8.3422	0.5311	0.4121	0.8294	8.3422	0.5311	0.4121												
Planting/Erosion Control/Miscellaneous					0.2989	2.4093	0.7255	0.1824												
SEGMENT TOTAL	0.8	8.3	0.5	0.4	1.1	10.8	1.3	0.6	1.8	18.2	1.4	0.8	1.8	18.2	1.4	0.8	3.8	39.7	9.0	5.0
SEGMENT D (2023/2024)																				
Initial Clearing and Rough Grading									1.8	18.0	4.4	2.5	1.8	18.0	4.4	2.5				
Rocky Ridge Undercrossing	1.9	18.8	1.0	0.8																
New Bridge #20 Construction																				
New Bridge #30 Construction													1.0844	10.7288	0.5749	0.466	1.0844	10.7288	0.5749	0.466
Existing Bridge #21 Rehab/Widening	0.9261	9.0372	0.5464	0.4323																
Old Auburn Undercrossing																				
Finish grading																				
Drainage and Bank Stabilization																	0.2269	1.7947	0.1632	0.0792
Paving	0.6163	6.1868	0.4116	0.2983																
Planting/Erosion Control/Miscellaneous					0.631	6.432	0.8426	0.2901												
SEGMENT TOTAL	3.5	34.0	1.9	1.6	0.6	6.4	0.8	0.3	1.8	18.0	4.4	2.5	2.9	28.7	5.0	3.0	1.3	12.5	0.7	0.5
Summary Tables																				
	September				October				April				May				June			
	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5
Segments 1-3 Combined Emissions	6.5	66.1	3.9	3.1	4.6	45.0	3.5	2.3	5.7	59.6	7.1	4.3	4.8	49.3	3.1	2.2	8.1	83.4	11.4	7.0
Segment 4	3.5	34.0	1.9	1.6	0.6	6.4	0.8	0.3	1.8	18.0	4.4	2.5	2.9	28.7	5.0	3.0	1.3	12.5	0.7	0.5
Threshold	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A
Segments 1-3 Exceeded? (False/True)	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE
Segment 4 Exceeded? (False/True)	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

	July				August				September				October			
	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5
SEGMENT A (2021/2022)																
Initial Clearing and Rough Grading(6 weeks)																
New Bridge #2 Construction(10 weeks)																
New Bridge #4 Construction(10 weeks)																
Darling Bridge Widening(12 weeks)	2.5	26.1	1.3	1.2												
Finish grading(3 weeks)	1.0	12.2	1.1	0.5												
Retaining Walls/Railings and Undercrossings(8 weeks)	1.3	12.7	0.7	0.6												
Drainage, Utilities and Bank Stabilization(4 weeks)					0.4	3.2	0.2	0.1								
Paving (trail and trailhead)(6 weeks)									0.7	7.7	0.5	0.4				
Planting/Erosion Control/Miscellaneous(4 weeks)													0.4	3.6	0.2	0.2
SEGMENT TOTAL	4.8	51.0	3.2	2.2	0.4	3.2	0.2	0.1	0.7	7.7	0.5	0.4	0.4	3.6	0.2	0.2
SEGMENT B (2021/2022)																
Initial Clearing and Rough Grading																
New Bridge #13 Construction																
Retaining Walls/Railings Undercrossing	0.5	4.9	0.3	0.2												
Drainage and Bank Stabilization					0.4	3.7	0.3	0.2								
Finish grading	0.9	9.9	0.9	0.4	0.9	9.9	0.9	0.4								
Paving									0.7	7.0	0.5	0.4	0.7	7.0	0.5	0.4
Planting/Erosion Control/Miscellaneous													0.3	2.1	0.2	0.1
SEGMENT TOTAL	1.3	14.9	1.2	0.6	1.3	13.7	1.1	0.6	0.7	7.0	0.5	0.4	1.0	9.0	0.7	0.5
SEGMENT C (2021/2022)																
Initial Clearing and Rough Grading	1.8	18.2	1.4	0.8												
Drainage and Bank Stabilization	0.2621	2.2585	0.1824	0.097												
Finish grading	1.7817	19.2064	7.3782	4.1247												
Paving					0.8294	8.3422	0.5311	0.4121	0.8294	8.3422	0.5311	0.4121				
Planting/Erosion Control/Miscellaneous									0.2989	2.4093	0.7255	0.1824				
SEGMENT TOTAL	3.8	39.7	9.0	5.0	0.8	8.3	0.5	0.4	1.1	10.8	1.3	0.6	0.0	0.0	0.0	0.0
SEGMENT D (2023/2024)																
Initial Clearing and Rough Grading																
Rocky Ridge Undercrossing																
New Bridge #20 Construction																
New Bridge #30 Construction																
Existing Bridge #21 Rehab/Widening																
Old Auburn Undercrossing	0.696	6.2337	0.3553	0.2556	0.696	6.2337	0.3553	0.2556								
Finish grading	0.7774	8.6927	1.0594	0.3782	0.7774	8.6927	1.0594	0.3782								
Drainage and Bank Stabilization	0.2269	1.7947	0.1632	0.0792	0.2269	1.7947	0.1632	0.0792								
Paving					0.6163	6.1868	0.4116	0.2983	0.6163	6.1868	0.4116	0.2983				
Planting/Erosion Control/Miscellaneous													0.631	6.432	0.8426	0.2901
SEGMENT TOTAL	1.7	16.7	1.6	0.7	2.3	22.9	2.0	1.0	0.6	6.2	0.4	0.3	0.6	6.4	0.8	0.3
Summary Tables																
	July				August				September				October			
	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5	ROG	Nox	PM10	PM2.5
Segments 1-3 Combined Emissions	9.9	105.6	13.4	7.9	2.4	25.2	1.9	1.1	2.6	25.4	2.2	1.3	1.4	12.6	0.9	0.6
Segment 4	1.7	16.7	1.6	0.7	2.3	22.9	2.0	1.0	0.6	6.2	0.4	0.3	0.6	6.4	0.8	0.3
Threshold	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A	82	82	82	N/A
Segments 1-3 Exceeded? (False/True)	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
Segment 4 Exceeded? (False/True)	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment A_Bridge #2
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	50.00
tblOffRoadEquipment	HorsePower	231.00	9.00
tblOffRoadEquipment	LoadFactor	0.29	0.56
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.1907	11.6385	12.5551	0.0277	0.1110	0.5368	0.6478	0.0301	0.5081	0.5382	0.0000	2,676.9301	2,676.9301	0.6377	0.0000	2,692.8726
Maximum	1.1907	11.6385	12.5551	0.0277	0.1110	0.5368	0.6478	0.0301	0.5081	0.5382	0.0000	2,676.9301	2,676.9301	0.6377	0.0000	2,692.8726

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.1907	11.6385	12.5551	0.0277	0.1110	0.5368	0.6478	0.0301	0.5081	0.5382	0.0000	2,676.9301	2,676.9301	0.6377	0.0000	2,692.8726
Maximum	1.1907	11.6385	12.5551	0.0277	0.1110	0.5368	0.6478	0.0301	0.5081	0.5382	0.0000	2,676.9301	2,676.9301	0.6377	0.0000	2,692.8726

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Building Construction	Building Construction	4/1/2021	6/9/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	8.00	9	0.56
Building Construction	Excavators	1	8.00	158	0.38
Building Construction	Paving Equipment	1	2.00	132	0.36
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	4.80	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.80	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	10.00	4.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1418	11.1633	12.2062	0.0256		0.5353	0.5353		0.5067	0.5067		2,466.8974	2,466.8974	0.6303		2,482.6555
Total	1.1418	11.1633	12.2062	0.0256		0.5353	0.5353		0.5067	0.5067		2,466.8974	2,466.8974	0.6303		2,482.6555

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1418	11.1633	12.2062	0.0256		0.5353	0.5353		0.5067	0.5067	0.0000	2,466.8973	2,466.8973	0.6303		2,482.6555
Total	1.1418	11.1633	12.2062	0.0256		0.5353	0.5353		0.5067	0.5067	0.0000	2,466.8973	2,466.8973	0.6303		2,482.6555

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

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
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					
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
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

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment A_Bridge #2 - Placer County APCD Air District, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment A_Bridge #4
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	50.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.6036	16.4878	14.5379	0.0334	0.1110	0.7337	0.8447	0.0301	0.6893	0.7194	0.0000	3,235.6689	3,235.6689	0.8184	0.0000	3,256.1290
Maximum	1.6036	16.4878	14.5379	0.0334	0.1110	0.7337	0.8447	0.0301	0.6893	0.7194	0.0000	3,235.6689	3,235.6689	0.8184	0.0000	3,256.1290

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.6036	16.4878	14.5379	0.0334	0.1110	0.7337	0.8447	0.0301	0.6893	0.7194	0.0000	3,235.6689	3,235.6689	0.8184	0.0000	3,256.1290
Maximum	1.6036	16.4878	14.5379	0.0334	0.1110	0.7337	0.8447	0.0301	0.6893	0.7194	0.0000	3,235.6689	3,235.6689	0.8184	0.0000	3,256.1290

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Building Construction	Building Construction	4/1/2021	6/9/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	158	0.38
Building Construction	Paving Equipment	1	2.00	132	0.36
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	4.80	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.80	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	10.00	4.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5548	16.0126	14.1890	0.0314		0.7322	0.7322		0.6878	0.6878		3,025.6361	3,025.6361	0.8110		3,045.9120
Total	1.5548	16.0126	14.1890	0.0314		0.7322	0.7322		0.6878	0.6878		3,025.6361	3,025.6361	0.8110		3,045.9120

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5548	16.0126	14.1890	0.0314		0.7322	0.7322		0.6878	0.6878	0.0000	3,025.6361	3,025.6361	0.8110		3,045.9120
Total	1.5548	16.0126	14.1890	0.0314		0.7322	0.7322		0.6878	0.6878	0.0000	3,025.6361	3,025.6361	0.8110		3,045.9120

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

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
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					
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
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

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment A_Bridge #4 - Placer County APCD Air District, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment A_Clearing and Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	6.00	Acre	6.00	261,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 6,300 ft (1.2 miles)

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 6,300 ft (1.2 miles)

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	30.00
tblGrading	AcresOfGrading	7.50	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.70
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	28.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3484	24.3260	18.0142	0.0357	3.3336	1.1422	4.4757	1.7079	1.0509	2.7588	0.0000	3,471.2787	3,471.2787	1.0630	0.0000	3,497.8527
Maximum	2.3484	24.3260	18.0142	0.0357	3.3336	1.1422	4.4757	1.7079	1.0509	2.7588	0.0000	3,471.2787	3,471.2787	1.0630	0.0000	3,497.8527

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3484	24.3260	18.0142	0.0357	3.3336	1.1422	4.4757	1.7079	1.0509	2.7588	0.0000	3,471.2787	3,471.2787	1.0630	0.0000	3,497.8527
Maximum	2.3484	24.3260	18.0142	0.0357	3.3336	1.1422	4.4757	1.7079	1.0509	2.7588	0.0000	3,471.2787	3,471.2787	1.0630	0.0000	3,497.8527

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Total	0.2391	1.1868	2.0705	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0757	852.0757	0.0287	0.0000	852.7926

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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Total	0.2391	1.1868	2.0705	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0757	852.0757	0.0287	0.0000	852.7926

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Initial Clearing and Rough Grading	Site Preparation	4/1/2021	5/12/2021	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Initial Clearing and Rough Grading	Excavators	1	5.40	158	0.38
Initial Clearing and Rough Grading	Graders	1	4.00	187	0.41
Initial Clearing and Rough Grading	Off-Highway Trucks	1	4.00	402	0.38
Initial Clearing and Rough Grading	Other Construction Equipment	4	4.00	172	0.42
Initial Clearing and Rough Grading	Rollers	2	4.00	80	0.38
Initial Clearing and Rough Grading	Rubber Tired Dozers	1	4.00	247	0.40
Initial Clearing and Rough Grading	Tractors/Loaders/Backhoes	1	2.70	97	0.37
Initial Clearing and Rough Grading	Rubber Tired Dozers	0	8.00	247	0.40
Initial Clearing and Rough Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

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
Initial Clearing and Rough Grading	11	10.00	4.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Initial Clearing and Rough Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2231	0.0000	3.2231	1.6780	0.0000	1.6780			0.0000			0.0000
Off-Road	2.2998	23.8591	17.6666	0.0337		1.1407	1.1407		1.0494	1.0494		3,264.1008	3,264.1008	1.0557		3,290.4927
Total	2.2998	23.8591	17.6666	0.0337	3.2231	1.1407	4.3638	1.6780	1.0494	2.7274		3,264.1008	3,264.1008	1.0557		3,290.4927

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Initial Clearing and Rough Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0486	0.4669	0.3476	2.0100e-003	0.1104	1.5400e-003	0.1120	0.0299	1.4600e-003	0.0314		207.1779	207.1779	7.2800e-003		207.3600

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.2231	0.0000	3.2231	1.6780	0.0000	1.6780			0.0000			0.0000
Off-Road	2.2998	23.8591	17.6666	0.0337		1.1407	1.1407		1.0494	1.0494	0.0000	3,264.1008	3,264.1008	1.0557		3,290.4927
Total	2.2998	23.8591	17.6666	0.0337	3.2231	1.1407	4.3638	1.6780	1.0494	2.7274	0.0000	3,264.1008	3,264.1008	1.0557		3,290.4927

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Initial Clearing and Rough Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0486	0.4669	0.3476	2.0100e-003	0.1104	1.5400e-003	0.1120	0.0299	1.4600e-003	0.0314		207.1779	207.1779	7.2800e-003		207.3600

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Unmitigated	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	11.34	136.50	100.44	89,554	89,554
Total	11.34	136.50	100.44	89,554	89,554

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

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

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	
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	

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Unmitigated	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0135					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Total	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0135					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Total	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment A_Clearing and Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment A_Darling Bridge Widening
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Note

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	60.00
tblOffRoadEquipment	HorsePower	172.00	168.00
tblOffRoadEquipment	LoadFactor	0.42	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	4.80
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	12.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.5296	26.1184	23.9925	0.0481	0.1127	1.2319	1.3446	0.0306	1.1476	1.1782	0.0000	4,653.6091	4,653.6091	1.2745	0.0000	4,685.4712
Maximum	2.5296	26.1184	23.9925	0.0481	0.1127	1.2319	1.3446	0.0306	1.1476	1.1782	0.0000	4,653.6091	4,653.6091	1.2745	0.0000	4,685.4712

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.5296	26.1184	23.9925	0.0481	0.1127	1.2319	1.3446	0.0306	1.1476	1.1782	0.0000	4,653.6091	4,653.6091	1.2745	0.0000	4,685.4712
Maximum	2.5296	26.1184	23.9925	0.0481	0.1127	1.2319	1.3446	0.0306	1.1476	1.1782	0.0000	4,653.6091	4,653.6091	1.2745	0.0000	4,685.4712

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Building Construction	Building Construction	4/1/2021	6/23/2021	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	8.00	158	0.38
Building Construction	Other Construction Equipment	2	8.00	168	0.40
Building Construction	Paving Equipment	1	8.00	132	0.36
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rollers	1	4.80	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.80	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	9	10.00	4.00	12.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4799	25.6184	23.6395	0.0460		1.2302	1.2302		1.1460	1.1460		4,435.0118	4,435.0118	1.2669		4,466.6832
Total	2.4799	25.6184	23.6395	0.0460		1.2302	1.2302		1.1460	1.1460		4,435.0118	4,435.0118	1.2669		4,466.6832

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4900e-003	0.0497	8.1500e-003	1.6000e-004	3.5000e-003	1.6000e-004	3.6600e-003	9.6000e-004	1.6000e-004	1.1200e-003		17.1291	17.1291	5.2000e-004		17.1421
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0496	0.5000	0.3530	2.1200e-003	0.1127	1.6500e-003	0.1144	0.0306	1.5700e-003	0.0321		218.5974	218.5974	7.6300e-003		218.7881

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4799	25.6184	23.6395	0.0460		1.2302	1.2302		1.1460	1.1460	0.0000	4,435.0118	4,435.0118	1.2669		4,466.6832
Total	2.4799	25.6184	23.6395	0.0460		1.2302	1.2302		1.1460	1.1460	0.0000	4,435.0118	4,435.0118	1.2669		4,466.6832

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4900e-003	0.0497	8.1500e-003	1.6000e-004	3.5000e-003	1.6000e-004	3.6600e-003	9.6000e-004	1.6000e-004	1.1200e-003		17.1291	17.1291	5.2000e-004		17.1421
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0496	0.5000	0.3530	2.1200e-003	0.1127	1.6500e-003	0.1144	0.0306	1.5700e-003	0.0321		218.5974	218.5974	7.6300e-003		218.7881

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

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
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					
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
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

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment A_Darling Bridge Widening - Placer County APCD Air District, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment A_Drainage and Utilities
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	20.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.3524	3.1733	3.1432	8.2200e-003	0.1092	0.1217	0.2310	0.0296	0.1124	0.1420	0.0000	801.1357	801.1357	0.1973	0.0000	806.0674
Maximum	0.3524	3.1733	3.1432	8.2200e-003	0.1092	0.1217	0.2310	0.0296	0.1124	0.1420	0.0000	801.1357	801.1357	0.1973	0.0000	806.0674

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.3524	3.1733	3.1432	8.2200e-003	0.1092	0.1217	0.2310	0.0296	0.1124	0.1420	0.0000	801.1357	801.1357	0.1973	0.0000	806.0674
Maximum	0.3524	3.1733	3.1432	8.2200e-003	0.1092	0.1217	0.2310	0.0296	0.1124	0.1420	0.0000	801.1357	801.1357	0.1973	0.0000	806.0674

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Building Construction	Building Construction	4/1/2021	4/28/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Excavators	1	3.00	158	0.38
Building Construction	Off-Highway Trucks	1	2.00	402	0.38
Building Construction	Plate Compactors	2	2.00	8	0.43
Building Construction	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

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
Building Construction	5	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3043	2.7230	2.7983	6.2600e-003		0.1203	0.1203		0.1110	0.1110		599.6675	599.6675	0.1902		604.4214
Total	0.3043	2.7230	2.7983	6.2600e-003		0.1203	0.1203		0.1110	0.1110		599.6675	599.6675	0.1902		604.4214

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0481	0.4503	0.3449	1.9600e-003	0.1092	1.4900e-003	0.1107	0.0296	1.4100e-003	0.0310		201.4682	201.4682	7.1100e-003		201.6460

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3043	2.7230	2.7983	6.2600e-003		0.1203	0.1203		0.1110	0.1110	0.0000	599.6675	599.6675	0.1902		604.4214
Total	0.3043	2.7230	2.7983	6.2600e-003		0.1203	0.1203		0.1110	0.1110	0.0000	599.6675	599.6675	0.1902		604.4214

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0481	0.4503	0.3449	1.9600e-003	0.1092	1.4900e-003	0.1107	0.0296	1.4100e-003	0.0310		201.4682	201.4682	7.1100e-003		201.6460

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

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

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
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

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment A_Drainage and Utilities - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment A_Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	6.00	Acre	6.00	261,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MWhr)	793.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 6,300 ft (1.2 miles)

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	15.00
tblGrading	AcresOfGrading	3.75	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	200.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.9600	12.2319	6.5845	0.0270	0.7667	0.3763	1.1430	0.1393	0.3467	0.4860	0.0000	2,708.0517	2,708.0517	0.4832	0.0000	2,720.1305
Maximum	0.9600	12.2319	6.5845	0.0270	0.7667	0.3763	1.1430	0.1393	0.3467	0.4860	0.0000	2,708.0517	2,708.0517	0.4832	0.0000	2,720.1305

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.9600	12.2319	6.5845	0.0270	0.7667	0.3763	1.1430	0.1393	0.3467	0.4860	0.0000	2,708.0517	2,708.0517	0.4832	0.0000	2,720.1305
Maximum	0.9600	12.2319	6.5845	0.0270	0.7667	0.3763	1.1430	0.1393	0.3467	0.4860	0.0000	2,708.0517	2,708.0517	0.4832	0.0000	2,720.1305

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Total	0.2391	1.1868	2.0705	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0757	852.0757	0.0287	0.0000	852.7926

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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Total	0.2391	1.1868	2.0705	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0757	852.0757	0.0287	0.0000	852.7926

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Grading	Grading	4/1/2021	4/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	4.00	187	0.41
Grading	Off-Highway Trucks	1	4.00	402	0.38
Grading	Rollers	2	4.00	80	0.38
Grading	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

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
Grading	5	10.00	4.00	200.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4242	0.0000	0.4242	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	0.8126	8.4661	5.6963	0.0141		0.3639	0.3639		0.3348	0.3348		1,364.6425	1,364.6425	0.4414		1,375.6763
Total	0.8126	8.4661	5.6963	0.0141	0.4242	0.3639	0.7881	0.0458	0.3348	0.3806		1,364.6425	1,364.6425	0.4414		1,375.6763

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

3.2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0993	3.3155	0.5433	0.0109	0.2332	0.0110	0.2442	0.0639	0.0105	0.0744		1,141.9410	1,141.9410	0.0347		1,142.8083
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.1474	3.7658	0.8882	0.0129	0.3425	0.0124	0.3549	0.0935	0.0119	0.1054		1,343.4092	1,343.4092	0.0418		1,344.4542

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4242	0.0000	0.4242	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	0.8126	8.4661	5.6963	0.0141		0.3639	0.3639		0.3348	0.3348	0.0000	1,364.6425	1,364.6425	0.4414		1,375.6763
Total	0.8126	8.4661	5.6963	0.0141	0.4242	0.3639	0.7881	0.0458	0.3348	0.3806	0.0000	1,364.6425	1,364.6425	0.4414		1,375.6763

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

3.2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0993	3.3155	0.5433	0.0109	0.2332	0.0110	0.2442	0.0639	0.0105	0.0744		1,141.9410	1,141.9410	0.0347		1,142.8083
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.1474	3.7658	0.8882	0.0129	0.3425	0.0124	0.3549	0.0935	0.0119	0.1054		1,343.4092	1,343.4092	0.0418		1,344.4542

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Unmitigated	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	11.34	136.50	100.44	89,554	89,554
Total	11.34	136.50	100.44	89,554	89,554

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

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

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
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

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	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

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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Unmitigated	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0135					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Total	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0135					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Total	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment A_Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment A_Paving
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	6.00	Acre	6.00	261,360.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 6,300 ft (1.2 miles)

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	30.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.7450	7.6739	8.5065	0.0147	0.1209	0.3900	0.5109	0.0328	0.3588	0.3916	0.0000	1,435.5404	1,435.5404	0.3895	0.0000	1,445.2779
Maximum	0.7450	7.6739	8.5065	0.0147	0.1209	0.3900	0.5109	0.0328	0.3588	0.3916	0.0000	1,435.5404	1,435.5404	0.3895	0.0000	1,445.2779

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.7450	7.6739	8.5065	0.0147	0.1209	0.3900	0.5109	0.0328	0.3588	0.3916	0.0000	1,435.5404	1,435.5404	0.3895	0.0000	1,445.2779
Maximum	0.7450	7.6739	8.5065	0.0147	0.1209	0.3900	0.5109	0.0328	0.3588	0.3916	0.0000	1,435.5404	1,435.5404	0.3895	0.0000	1,445.2779

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Total	0.2391	1.1868	2.0705	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0757	852.0757	0.0287	0.0000	852.7926

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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Total	0.2391	1.1868	2.0705	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0757	852.0757	0.0287	0.0000	852.7926

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Paving	Paving	4/1/2021	5/12/2021	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Pavers	1	4.00	130	0.42
Paving	Paving Equipment	2	4.00	132	0.36
Paving	Rollers	2	4.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

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
Paving	7	10.00	4.00	20.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6919	7.0578	8.1345	0.0122		0.3879	0.3879		0.3569	0.3569		1,176.9751	1,176.9751	0.3807		1,186.4915
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6919	7.0578	8.1345	0.0122		0.3879	0.3879		0.3569	0.3569		1,176.9751	1,176.9751	0.3807		1,186.4915

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

3.2 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9600e-003	0.1658	0.0272	5.4000e-004	0.0117	5.5000e-004	0.0122	3.2000e-003	5.2000e-004	3.7200e-003		57.0971	57.0971	1.7300e-003		57.1404
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0531	0.6161	0.3720	2.5000e-003	0.1209	2.0400e-003	0.1229	0.0328	1.9300e-003	0.0347		258.5653	258.5653	8.8400e-003		258.7864

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6919	7.0578	8.1345	0.0122		0.3879	0.3879		0.3569	0.3569	0.0000	1,176.9751	1,176.9751	0.3807		1,186.4915
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6919	7.0578	8.1345	0.0122		0.3879	0.3879		0.3569	0.3569	0.0000	1,176.9751	1,176.9751	0.3807		1,186.4915

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

3.2 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.9600e-003	0.1658	0.0272	5.4000e-004	0.0117	5.5000e-004	0.0122	3.2000e-003	5.2000e-004	3.7200e-003		57.0971	57.0971	1.7300e-003		57.1404
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0531	0.6161	0.3720	2.5000e-003	0.1209	2.0400e-003	0.1229	0.0328	1.9300e-003	0.0347		258.5653	258.5653	8.8400e-003		258.7864

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912
Unmitigated	0.2255	1.1868	2.0699	8.4000e-003	0.6222	5.5700e-003	0.6277	0.1667	5.2100e-003	0.1720		852.0744	852.0744	0.0287		852.7912

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	11.34	136.50	100.44	89,554	89,554
Total	11.34	136.50	100.44	89,554	89,554

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

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

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
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

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Unmitigated	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0135					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Total	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0135					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-005	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003
Total	0.0135	1.0000e-005	6.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		1.3100e-003	1.3100e-003	0.0000		1.4000e-003

7.0 Water Detail

Roseville Dry Creek Trail_Segment A_Paving - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment A_Planting
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Grading - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	20.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.4331	3.6112	3.2037	8.9900e-003	0.0830	0.1530	0.2360	0.0220	0.1407	0.1628	0.0000	872.9774	872.9774	0.2573	0.0000	879.4109
Maximum	0.4331	3.6112	3.2037	8.9900e-003	0.0830	0.1530	0.2360	0.0220	0.1407	0.1628	0.0000	872.9774	872.9774	0.2573	0.0000	879.4109

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.4331	3.6112	3.2037	8.9900e-003	0.0830	0.1530	0.2360	0.0220	0.1407	0.1628	0.0000	872.9774	872.9774	0.2573	0.0000	879.4109
Maximum	0.4331	3.6112	3.2037	8.9900e-003	0.0830	0.1530	0.2360	0.0220	0.1407	0.1628	0.0000	872.9774	872.9774	0.2573	0.0000	879.4109

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2021	4/28/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Off-Highway Trucks	1	4.00	402	0.38
Site Preparation	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3966	3.5796	2.9323	8.1600e-003		0.1524	0.1524		0.1402	0.1402		789.7115	789.7115	0.2554		796.0968
Total	0.3966	3.5796	2.9323	8.1600e-003	0.0000	0.1524	0.1524	0.0000	0.1402	0.1402		789.7115	789.7115	0.2554		796.0968

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7000e-004	0.0124	2.0400e-003	4.0000e-005	8.7000e-004	4.0000e-005	9.2000e-004	2.4000e-004	4.0000e-005	2.8000e-004		4.2823	4.2823	1.3000e-004		4.2855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0365	0.0316	0.2714	8.3000e-004	0.0830	5.5000e-004	0.0836	0.0220	5.1000e-004	0.0225		83.2659	83.2659	1.9300e-003		83.3142

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3966	3.5796	2.9323	8.1600e-003		0.1524	0.1524		0.1402	0.1402	0.0000	789.7115	789.7115	0.2554		796.0968
Total	0.3966	3.5796	2.9323	8.1600e-003	0.0000	0.1524	0.1524	0.0000	0.1402	0.1402	0.0000	789.7115	789.7115	0.2554		796.0968

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7000e-004	0.0124	2.0400e-003	4.0000e-005	8.7000e-004	4.0000e-005	9.2000e-004	2.4000e-004	4.0000e-005	2.8000e-004		4.2823	4.2823	1.3000e-004		4.2855
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0365	0.0316	0.2714	8.3000e-004	0.0830	5.5000e-004	0.0836	0.0220	5.1000e-004	0.0225		83.2659	83.2659	1.9300e-003		83.3142

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

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

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
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

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment A_Planting - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Rosseville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

Rosseville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	40.00
tblOffRoadEquipment	HorsePower	221.00	231.00
tblOffRoadEquipment	HorsePower	158.00	89.00
tblOffRoadEquipment	LoadFactor	0.50	0.29
tblOffRoadEquipment	LoadFactor	0.38	0.20
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.2749	12.6645	10.7921	0.0247	0.1127	0.5906	0.7033	0.0306	0.5438	0.5743	0.0000	2,398.3594	2,398.3594	0.7088	0.0000	2,416.0799
Maximum	1.2749	12.6645	10.7921	0.0247	0.1127	0.5906	0.7033	0.0306	0.5438	0.5743	0.0000	2,398.3594	2,398.3594	0.7088	0.0000	2,416.0799

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.2749	12.6645	10.7921	0.0247	0.1127	0.5906	0.7033	0.0306	0.5438	0.5743	0.0000	2,398.3594	2,398.3594	0.7088	0.0000	2,416.0799
Maximum	1.2749	12.6645	10.7921	0.0247	0.1127	0.5906	0.7033	0.0306	0.5438	0.5743	0.0000	2,398.3594	2,398.3594	0.7088	0.0000	2,416.0799

	ROG	NOx	CO	SO2	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

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Building Construction	Building Construction	4/1/2021	5/26/2021	5	40	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Bore/Drill Rigs	1	4.00	231	0.29
Building Construction	Excavators	1	4.00	89	0.20
Building Construction	Off-Highway Trucks	1	4.00	402	0.38
Building Construction	Paving Equipment	2	4.00	132	0.36
Building Construction	Plate Compactors	2	2.00	8	0.43
Building Construction	Rollers	1	4.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

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
Building Construction	12	10.00	4.00	8.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2253	12.1644	10.4391	0.0226		0.5889	0.5889		0.5422	0.5422		2,179.7620	2,179.7620	0.7012		2,197.2919
Total	1.2253	12.1644	10.4391	0.0226		0.5889	0.5889		0.5422	0.5422		2,179.7620	2,179.7620	0.7012		2,197.2919

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4900e-003	0.0497	8.1500e-003	1.6000e-004	3.5000e-003	1.6000e-004	3.6600e-003	9.6000e-004	1.6000e-004	1.1200e-003		17.1291	17.1291	5.2000e-004		17.1421
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0496	0.5000	0.3530	2.1200e-003	0.1127	1.6500e-003	0.1144	0.0306	1.5700e-003	0.0321		218.5974	218.5974	7.6300e-003		218.7881

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2253	12.1644	10.4391	0.0226		0.5889	0.5889		0.5422	0.5422	0.0000	2,179.7620	2,179.7620	0.7012		2,197.2919
Total	1.2253	12.1644	10.4391	0.0226		0.5889	0.5889		0.5422	0.5422	0.0000	2,179.7620	2,179.7620	0.7012		2,197.2919

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.4900e-003	0.0497	8.1500e-003	1.6000e-004	3.5000e-003	1.6000e-004	3.6600e-003	9.6000e-004	1.6000e-004	1.1200e-003		17.1291	17.1291	5.2000e-004		17.1421
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0496	0.5000	0.3530	2.1200e-003	0.1127	1.6500e-003	0.1144	0.0306	1.5700e-003	0.0321		218.5974	218.5974	7.6300e-003		218.7881

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

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

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	
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	

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Rossville Dry Creek Trail_Segment A_Retaining Walls/Undercrossings - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_New Bridge 14
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 1: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment A, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	50.00
tblConstructionPhase	PhaseEndDate	4/30/2021	7/9/2021
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	2.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8239	8.4602	7.6126	0.0134	0.1110	0.4491	0.5601	0.0301	0.4132	0.4433	0.0000	1,313.2486	1,313.2486	0.3642	0.0000	1,322.3529
Maximum	0.8239	8.4602	7.6126	0.0134	0.1110	0.4491	0.5601	0.0301	0.4132	0.4433	0.0000	1,313.2486	1,313.2486	0.3642	0.0000	1,322.3529

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.8239	8.4602	7.6126	0.0134	0.1110	0.4491	0.5601	0.0301	0.4132	0.4433	0.0000	1,313.2486	1,313.2486	0.3642	0.0000	1,322.3529
Maximum	0.8239	8.4602	7.6126	0.0134	0.1110	0.4491	0.5601	0.0301	0.4132	0.4433	0.0000	1,313.2486	1,313.2486	0.3642	0.0000	1,322.3529

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Building Construction	Building Construction	5/1/2021	7/9/2021	5	50	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Cranes	1	8.00	231	0.29
Architectural Coating	Bore/Drill Rigs	1	8.00	221	0.50
Architectural Coating	Excavators	1	8.00	158	0.38
Architectural Coating	Pumps	1	8.00	84	0.74
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Architectural Coating	Paving Equipment	1	2.00	132	0.36
Architectural Coating	Rollers	1	4.80	80	0.38
Architectural Coating	Tractors/Loaders/Backhoes	1	4.80	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	5	10.00	4.00	5.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117		1,103.2158	1,103.2158	0.3568		1,112.1358

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

3.2 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358
Total	0.7750	7.9850	7.2637	0.0114		0.4475	0.4475		0.4117	0.4117	0.0000	1,103.2158	1,103.2158	0.3568		1,112.1358

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.4000e-004	0.0249	4.0800e-003	8.0000e-005	1.7500e-003	8.0000e-005	1.8300e-003	4.8000e-004	8.0000e-005	5.6000e-004		8.5646	8.5646	2.6000e-004		8.5711
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0489	0.4752	0.3489	2.0400e-003	0.1110	1.5700e-003	0.1126	0.0301	1.4900e-003	0.0316		210.0328	210.0328	7.3700e-003		210.2170

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

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
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					
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
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

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment B_New Bridge 14 - Placer County APCD Air District, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment B_Clearing and Grading
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	PhaseEndDate	3/31/2021	4/21/2021
tblGrading	AcresOfGrading	7.50	4.00
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3395	25.2201	16.2078	0.0317	6.4165	1.1615	7.5780	3.3710	1.0686	4.4396	0.0000	3,084.8161	3,084.8161	0.9363	0.0000	3,108.2235
Maximum	2.3395	25.2201	16.2078	0.0317	6.4165	1.1615	7.5780	3.3710	1.0686	4.4396	0.0000	3,084.8161	3,084.8161	0.9363	0.0000	3,108.2235

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3395	25.2201	16.2078	0.0317	6.4165	1.1615	7.5780	3.3710	1.0686	4.4396	0.0000	3,084.8161	3,084.8161	0.9363	0.0000	3,108.2235
Maximum	2.3395	25.2201	16.2078	0.0317	6.4165	1.1615	7.5780	3.3710	1.0686	4.4396	0.0000	3,084.8161	3,084.8161	0.9363	0.0000	3,108.2235

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

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	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

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	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Grading	Grading	4/1/2021	4/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

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

OffRoad Equipment

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Tractors/Loaders/Backhoes	1	2.66	97	0.37
Architectural Coating	Graders	1	4.00	187	0.41
Architectural Coating	Off-Highway Trucks	1	4.00	402	0.38
Architectural Coating	Excavators	1	4.80	158	0.38
Architectural Coating	Rollers	2	4.00	80	0.38
Architectural Coating	Other Construction Equipment	4	4.00	172	0.42
Grading	Excavators	1	8.00	158	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41

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
Grading	6	10.00	4.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3049	0.0000	6.3049	3.3408	0.0000	3.3408			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.3049	1.1599	7.4648	3.3408	1.0671	4.4079		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.9000e-004	0.0332	5.4300e-003	1.1000e-004	2.3300e-003	1.1000e-004	2.4400e-003	6.4000e-004	1.0000e-004	7.4000e-004		11.4194	11.4194	3.5000e-004		11.4281
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0491	0.4835	0.3503	2.0700e-003	0.1116	1.6000e-003	0.1132	0.0302	1.5100e-003	0.0317		212.8876	212.8876	7.4600e-003		213.0740

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

3.2 Grading - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3049	0.0000	6.3049	3.3408	0.0000	3.3408			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.3049	1.1599	7.4648	3.3408	1.0671	4.4079	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.9000e-004	0.0332	5.4300e-003	1.1000e-004	2.3300e-003	1.1000e-004	2.4400e-003	6.4000e-004	1.0000e-004	7.4000e-004		11.4194	11.4194	3.5000e-004		11.4281
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0491	0.4835	0.3503	2.0700e-003	0.1116	1.6000e-003	0.1132	0.0302	1.5100e-003	0.0317		212.8876	212.8876	7.4600e-003		213.0740

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

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	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Unmitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	7.56	91.00	66.96	59,703	59,703
Total	7.56	91.00	66.96	59,703	59,703

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

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
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					
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
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

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment B_Clearing and Grading - Placer County APCD Air District, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Grading - No grading

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	15.00
tblConstructionPhase	PhaseEndDate	4/30/2021	5/21/2021
tblGrading	AcresOfGrading	7.50	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.6884	8.2707	4.3723	0.0117	0.1092	0.3010	0.4102	0.0296	0.2769	0.3065	0.0000	1,144.0524	1,144.0524	0.3120	0.0000	1,151.8514
Maximum	0.6884	8.2707	4.3723	0.0117	0.1092	0.3010	0.4102	0.0296	0.2769	0.3065	0.0000	1,144.0524	1,144.0524	0.3120	0.0000	1,151.8514

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.6884	8.2707	4.3723	0.0117	0.1092	0.3010	0.4102	0.0296	0.2769	0.3065	0.0000	1,144.0524	1,144.0524	0.3120	0.0000	1,151.8514
Maximum	0.6884	8.2707	4.3723	0.0117	0.1092	0.3010	0.4102	0.0296	0.2769	0.3065	0.0000	1,144.0524	1,144.0524	0.3120	0.0000	1,151.8514

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2021	5/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Excavators	1	2.00	158	0.38
Architectural Coating	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Architectural Coating	Paving Equipment	2	2.00	132	0.36
Architectural Coating	Off-Highway Trucks	1	2.00	402	0.38
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.0000	0.2995	0.2995	0.0000	0.2755	0.2755		942.5842	942.5842	0.3049		950.2055

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0481	0.4503	0.3449	1.9600e-003	0.1092	1.4900e-003	0.1107	0.0296	1.4100e-003	0.0310		201.4682	201.4682	7.1100e-003		201.6460

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.0000	0.2995	0.2995	0.0000	0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0481	0.4503	0.3449	1.9600e-003	0.1092	1.4900e-003	0.1107	0.0296	1.4100e-003	0.0310		201.4682	201.4682	7.1100e-003		201.6460

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

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

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
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

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Unmitigated	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
Total	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Drainage and Stabilization - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_Finish Grading
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Grading - Acres value based on assumption of average of 20 feet disturbance on either side of centerline, for 3,900 ft (.7 miles)

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	8.00	10.00
tblGrading	AcresOfGrading	5.00	4.00
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	100.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.4129	27.6736	16.6099	0.0398	6.7305	1.1696	7.9001	3.4336	1.0764	4.5100	0.0000	3,929.8525	3,929.8525	0.9620	0.0000	3,953.9017
Maximum	2.4129	27.6736	16.6099	0.0398	6.7305	1.1696	7.9001	3.4336	1.0764	4.5100	0.0000	3,929.8525	3,929.8525	0.9620	0.0000	3,953.9017

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.4129	27.6736	16.6099	0.0398	6.7305	1.1696	7.9001	3.4336	1.0764	4.5100	0.0000	3,929.8525	3,929.8525	0.9620	0.0000	3,953.9017
Maximum	2.4129	27.6736	16.6099	0.0398	6.7305	1.1696	7.9001	3.4336	1.0764	4.5100	0.0000	3,929.8525	3,929.8525	0.9620	0.0000	3,953.9017

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

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	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

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	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Grading	Grading	5/1/2021	5/14/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Architectural Coating	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Architectural Coating	Graders	1	4.00	187	0.41
Architectural Coating	Off-Highway Trucks	1	4.00	402	0.38
Architectural Coating	Rollers	2	4.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

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
Grading	6	10.00	4.00	100.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4463	0.0000	6.4463	3.3560	0.0000	3.3560			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.4463	1.1599	7.6062	3.3560	1.0671	4.4232		2,871.9285	2,871.9285	0.9288		2,895.1495

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

3.2 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0745	2.4866	0.4075	8.1700e-003	0.1749	8.2200e-003	0.1831	0.0480	7.8600e-003	0.0558		856.4558	856.4558	0.0260		857.1062
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.1226	2.9369	0.7524	0.0101	0.2842	9.7100e-003	0.2939	0.0775	9.2700e-003	0.0868		1,057.9240	1,057.9240	0.0331		1,058.7522

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.4463	0.0000	6.4463	3.3560	0.0000	3.3560			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.4463	1.1599	7.6062	3.3560	1.0671	4.4232	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

3.2 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0745	2.4866	0.4075	8.1700e-003	0.1749	8.2200e-003	0.1831	0.0480	7.8600e-003	0.0558		856.4558	856.4558	0.0260		857.1062
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.1226	2.9369	0.7524	0.0101	0.2842	9.7100e-003	0.2939	0.0775	9.2700e-003	0.0868		1,057.9240	1,057.9240	0.0331		1,058.7522

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Unmitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	7.56	91.00	66.96	59,703	59,703
Total	7.56	91.00	66.96	59,703	59,703

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

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

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
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

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	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

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	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

7.0 Water Detail

Roseville Dry Creek Trail_Segment B_Finish Grading - Placer County APCD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

Roseville Dry Creek Trail_Segment B_Paving
Placer County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	4.00	Acre	4.00	174,240.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Trips and VMT - Assume 10 avg employees on site in all phases, 4 vendor trips/day. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	20.00
tblConstructionPhase	PhaseEndDate	4/30/2021	5/28/2021
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	15.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	WorkerTripNumber	20.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.1477	11.4767	12.6357	0.0215	0.1224	0.5809	0.7033	0.0332	0.5362	0.5694	0.0000	2,070.2547	2,070.2547	0.5761	0.0000	2,084.6559
Maximum	1.1477	11.4767	12.6357	0.0215	0.1224	0.5809	0.7033	0.0332	0.5362	0.5694	0.0000	2,070.2547	2,070.2547	0.5761	0.0000	2,084.6559

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.1477	11.4767	12.6357	0.0215	0.1224	0.5809	0.7033	0.0332	0.5362	0.5694	0.0000	2,070.2547	2,070.2547	0.5761	0.0000	2,084.6559
Maximum	1.1477	11.4767	12.6357	0.0215	0.1224	0.5809	0.7033	0.0332	0.5362	0.5694	0.0000	2,070.2547	2,070.2547	0.5761	0.0000	2,084.6559

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

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	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

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	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Total	0.1594	0.7912	1.3804	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0505	568.0505	0.0191	0.0000	568.5284

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Paving	Paving	5/1/2021	5/28/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Pavers	1	4.80	130	0.42
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Architectural Coating	Tractors/Loaders/Backhoes	1	4.80	97	0.37
Architectural Coating	Rollers	2	4.80	80	0.38
Architectural Coating	Paving Equipment	2	4.00	8	0.43
Architectural Coating	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving	Paving Equipment	2	6.00	132	0.36

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
Paving	8	10.00	4.00	15.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

3.2 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342		1,804.5523	1,804.5523	0.5670		1,818.7270

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5800e-003	0.1865	0.0306	6.1000e-004	0.0131	6.2000e-004	0.0137	3.6000e-003	5.9000e-004	4.1900e-003		64.2342	64.2342	1.9500e-003		64.2830
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0537	0.6368	0.3754	2.5700e-003	0.1224	2.1100e-003	0.1245	0.0332	2.0000e-003	0.0352		265.7024	265.7024	9.0600e-003		265.9289

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

3.2 Paving - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0940	10.8399	12.2603	0.0189		0.5788	0.5788		0.5342	0.5342	0.0000	1,804.5523	1,804.5523	0.5670		1,818.7270

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.5800e-003	0.1865	0.0306	6.1000e-004	0.0131	6.2000e-004	0.0137	3.6000e-003	5.9000e-004	4.1900e-003		64.2342	64.2342	1.9500e-003		64.2830
Vendor	0.0120	0.4312	0.0755	1.1700e-003	0.0271	9.8000e-004	0.0281	7.8000e-003	9.4000e-004	8.7400e-003		122.4846	122.4846	5.3100e-003		122.6173
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0537	0.6368	0.3754	2.5700e-003	0.1224	2.1100e-003	0.1245	0.0332	2.0000e-003	0.0352		265.7024	265.7024	9.0600e-003		265.9289

4.0 Operational Detail - Mobile

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

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	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275
Unmitigated	0.1504	0.7912	1.3800	5.6000e-003	0.4148	3.7100e-003	0.4185	0.1112	3.4700e-003	0.1146		568.0496	568.0496	0.0191		568.5275

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	7.56	91.00	66.96	59,703	59,703
Total	7.56	91.00	66.96	59,703	59,703

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

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

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

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
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					
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
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

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Unmitigated	9.0100e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.9800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004
Total	9.0200e-003	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		8.8000e-004	8.8000e-004	0.0000		9.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Roseville Dry Creek Trail_Segment B_Paving - Placer County APCD Air District, Summer

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

**Roseville Dry Creek Trail_Segment B_Planting and Erosion Control
Placer County APCD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	0.25	Acre	0.25	10,890.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2023
Utility Company	Roseville Electric				
CO2 Intensity (lb/MW hr)	793.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Off-road Equipment - Per Table 2: Construction Phases and Equipment - Segment B, provided by Psomas, September 2017.

Grading - No grading

Trips and VMT - Assume 10 avg employees on site in all phases. Hauling mileages & trips based on total truck miles stated in construction phases and equipment list, Psomas, September 2017.

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1.00	15.00
tblConstructionPhase	PhaseEndDate	4/30/2021	5/21/2021
tblGrading	AcresOfGrading	7.50	0.00
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblProjectCharacteristics	OperationalYear	2018	2023
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

2.0 Emissions Summary

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.6769	7.8561	4.2995	0.0106	0.0833	0.3000	0.3834	0.0221	0.2760	0.2981	0.0000	1,027.2775	1,027.2775	0.3068	0.0000	1,034.9482
Maximum	0.6769	7.8561	4.2995	0.0106	0.0833	0.3000	0.3834	0.0221	0.2760	0.2981	0.0000	1,027.2775	1,027.2775	0.3068	0.0000	1,034.9482

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	0.6769	7.8561	4.2995	0.0106	0.0833	0.3000	0.3834	0.0221	0.2760	0.2981	0.0000	1,027.2775	1,027.2775	0.3068	0.0000	1,034.9482
Maximum	0.6769	7.8561	4.2995	0.0106	0.0833	0.3000	0.3834	0.0221	0.2760	0.2981	0.0000	1,027.2775	1,027.2775	0.3068	0.0000	1,034.9482

	ROG	NOx	CO	SO2	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

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

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	5.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		5.0000e-005	5.0000e-005	0.0000		6.0000e-005
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	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Total	9.9600e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5032	35.5032	1.1900e-003	0.0000	35.5330

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2021	5/21/2021	5	15	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Architectural Coating	Off-Highway Trucks	1	4.00	124	0.44
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	10.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755		942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.0000	0.2995	0.2995	0.0000	0.2755	0.2755		942.5842	942.5842	0.3049		950.2055

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0366	0.0357	0.2721	8.4000e-004	0.0833	5.6000e-004	0.0839	0.0221	5.2000e-004	0.0226		84.6933	84.6933	1.9700e-003		84.7427

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6403	7.8204	4.0274	9.7300e-003		0.2995	0.2995		0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055
Total	0.6403	7.8204	4.0274	9.7300e-003	0.0000	0.2995	0.2995	0.0000	0.2755	0.2755	0.0000	942.5842	942.5842	0.3049		950.2055

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.0000e-004	0.0166	2.7200e-003	5.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004		5.7097	5.7097	1.7000e-004		5.7140
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0361	0.0191	0.2694	7.9000e-004	0.0822	5.1000e-004	0.0827	0.0218	4.7000e-004	0.0223		78.9836	78.9836	1.8000e-003		79.0287
Total	0.0366	0.0357	0.2721	8.4000e-004	0.0833	5.6000e-004	0.0839	0.0221	5.2000e-004	0.0226		84.6933	84.6933	1.9700e-003		84.7427

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330
Unmitigated	9.4000e-003	0.0495	0.0863	3.5000e-004	0.0259	2.3000e-004	0.0262	6.9500e-003	2.2000e-004	7.1600e-003		35.5031	35.5031	1.1900e-003		35.5330

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.47	5.69	4.19	3,731	3,731
Total	0.47	5.69	4.19	3,731	3,731

4.3 Trip Type Information

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.504187	0.038691	0.220388	0.121642	0.020356	0.005773	0.031759	0.047089	0.001411	0.001172	0.005719	0.000756	0.001058

5.0 Energy Detail

Roseville Dry Creek Trail_Segment B_Planting and Erosion Control - Placer County APCD Air District, Summer

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

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
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