

Appendix C Air Quality/GHG Modeling Data

Appendices

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Project Emissions Worksheet

Regional Construction Emissions Worksheet:

Demolition							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2022 Summer					
	Off-Road	1.69	16.62	13.96	0.02	0.84	0.78
	Total	1.69	16.62	13.96	0.02	0.84	0.78
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.18	0.05	0.00	0.01	0.00
	Worker	0.05	0.03	0.48	0.00	0.14	0.04
	Total	0.06	0.22	0.53	0.00	0.15	0.04
TOTAL		1.75	16.84	14.49	0.03	0.99	0.82
Onsite		2022 Winter					
	Off-Road	1.69	16.62	13.96	0.02	0.84	0.78
	Total	1.69	16.62	13.96	0.02	0.84	0.78
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.18	0.05	0.00	0.01	0.00
	Worker	0.06	0.04	0.44	0.00	0.14	0.04
	Total	0.06	0.22	0.49	0.00	0.15	0.04
TOTAL		1.75	16.84	14.45	0.03	0.99	0.82
Onsite		2022					
	Off-Road	1.69	16.62	13.96	0.02	0.84	0.78
	Total	1.69	16.62	13.96	0.02	0.84	0.78
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.18	0.05	0.00	0.01	0.00
	Worker	0.06	0.04	0.48	0.00	0.14	0.04
	Total	0.06	0.22	0.53	0.00	0.15	0.04
TOTAL		1.75	16.84	14.49	0.03	0.99	0.82

Demolition Haul							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2022 Summer					
	Fugitive Dust					0.23	0.03
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.23	0.03
Offsite							
	Hauling	0.08	2.49	0.62	0.01	0.17	0.05
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.08	2.49	0.62	0.01	0.17	0.05
TOTAL		0.08	2.49	0.62	0.01	0.40	0.09
Onsite		2022 Winter					
	Fugitive Dust					0.23	0.03
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.23	0.03
Offsite							
	Hauling	0.08	2.52	0.66	0.01	0.17	0.05
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.08	2.52	0.66	0.01	0.17	0.05
TOTAL		0.08	2.52	0.66	0.01	0.40	0.09
Onsite		2022					
	Fugitive Dust	0.00	0.00	0.00	0.00	0.23	0.03
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.23	0.03
Offsite							
	Hauling	0.08	2.52	0.66	0.01	0.17	0.05
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.08	2.52	0.66	0.01	0.17	0.05
TOTAL		0.08	2.52	0.66	0.01	0.40	0.09

Grading							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2022 Summer					
	Fugitive Dust					2.08	1.08
	Off-Road	1.08	12.00	5.94	0.01	0.52	0.48
	Total	1.08	12.00	5.94	0.01	2.60	1.55
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.18	0.05	0.00	0.01	0.00
	Worker	0.03	0.02	0.30	0.00	0.08	0.02
	Total	0.04	0.21	0.35	0.00	0.10	0.03
TOTAL		1.12	12.21	6.28	0.02	2.69	1.58
Onsite		2022 Winter					
	Fugitive Dust					2.08	1.08
	Off-Road	1.08	12.00	5.94	0.01	0.52	0.48
	Total	1.08	12.00	5.94	0.01	2.60	1.55
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.18	0.05	0.00	0.01	0.00
	Worker	0.04	0.02	0.27	0.00	0.08	0.02
	Total	0.04	0.21	0.32	0.00	0.10	0.03
TOTAL		1.13	12.21	6.26	0.02	2.69	1.58
Onsite		2022					
	Fugitive Dust	0.00	0.00	0.00	0.00	2.08	1.08
	Off-Road	1.08	12.00	5.94	0.01	0.52	0.48
	Total	1.08	12.00	5.94	0.01	2.60	1.55
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.18	0.05	0.00	0.01	0.00
	Worker	0.04	0.02	0.30	0.00	0.08	0.02
	Total	0.04	0.21	0.35	0.00	0.10	0.03
TOTAL		1.13	12.21	6.28	0.02	2.69	1.58

Grading Soil Haul							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2022 Summer					
	Fugitive Dust					0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00
Offsite							
	Hauling	0.10	3.11	0.78	0.01	0.21	0.06
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.10	3.11	0.78	0.01	0.21	0.06
TOTAL		0.10	3.11	0.78	0.01	0.22	0.07
Onsite		2022 Winter					
	Fugitive Dust					0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00
Offsite							
	Hauling	0.10	3.15	0.82	0.01	0.21	0.07
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.10	3.15	0.82	0.01	0.21	0.07
TOTAL		0.10	3.15	0.82	0.01	0.22	0.07
Onsite		2022					
	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00
Offsite							
	Hauling	0.10	3.15	0.82	0.01	0.21	0.07
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.00	0.00	0.00	0.00	0.00	0.00
	Total	0.10	3.15	0.82	0.01	0.21	0.07
TOTAL		0.10	3.15	0.82	0.01	0.22	0.07

Utilities Trenching							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2022 Summer					
	Off-Road	0.20	1.78	3.26	0.01	0.09	0.08
	Total	0.20	1.78	3.26	0.01	0.09	0.08
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.11	0.00	0.03	0.01
	Total	0.01	0.01	0.11	0.00	0.03	0.01
TOTAL		0.21	1.78	3.37	0.01	0.12	0.09
Onsite		2022 Winter					
	Off-Road	0.20	1.78	3.26	0.01	0.09	0.08
	Total	0.20	1.78	3.26	0.01	0.09	0.08
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.10	0.00	0.03	0.01
	Total	0.01	0.01	0.10	0.00	0.03	0.01
TOTAL		0.22	1.79	3.36	0.01	0.12	0.09
Onsite		2022					
	Off-Road	0.20	1.78	3.26	0.01	0.09	0.08
	Total	0.20	1.78	3.26	0.01	0.09	0.08
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.11	0.00	0.03	0.01
	Total	0.01	0.01	0.11	0.00	0.03	0.01
TOTAL		0.22	1.79	3.37	0.01	0.12	0.09

Building Construction 2022							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2022 Summer					
	Off-Road	1.65	12.50	12.73	0.02	0.59	0.57
	Total	1.65	12.50	12.73	0.02	0.59	0.57
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.65	0.17	0.00	0.04	0.01
	Worker	0.08	0.05	0.71	0.00	0.20	0.05
	Total	0.10	0.70	0.87	0.00	0.24	0.07
TOTAL		1.75	13.20	13.60	0.03	0.83	0.64
Onsite		2022 Winter					
	Off-Road	1.65	12.50	12.73	0.02	0.59	0.57
	Total	1.65	12.50	12.73	0.02	0.59	0.57
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.64	0.19	0.00	0.04	0.01
	Worker	0.09	0.06	0.64	0.00	0.20	0.05
	Total	0.11	0.70	0.83	0.00	0.24	0.07
TOTAL		1.75	13.20	13.56	0.03	0.83	0.64
Onsite		2022					
	Off-Road	1.65	12.50	12.73	0.02	0.59	0.57
	Total	1.65	12.50	12.73	0.02	0.59	0.57
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.65	0.19	0.00	0.04	0.01
	Worker	0.09	0.06	0.71	0.00	0.20	0.05
	Total	0.11	0.70	0.87	0.00	0.24	0.07
TOTAL		1.75	13.20	13.60	0.03	0.83	0.64

Building Construction 2023

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2023 Summer					
	Off-Road	1.52	11.71	12.61	0.02	0.51	0.50
	Total	1.52	11.71	12.61	0.02	0.51	0.50
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.49	0.15	0.00	0.04	0.01
	Worker	0.07	0.05	0.65	0.00	0.20	0.05
	Total	0.09	0.54	0.80	0.00	0.24	0.07
TOTAL		1.61	12.25	13.41	0.03	0.75	0.56
Onsite		2023 Winter					
	Off-Road	1.52	11.71	12.61	0.02	0.51	0.50
	Total	1.52	11.71	12.61	0.02	0.51	0.50
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.49	0.17	0.00	0.04	0.01
	Worker	0.08	0.05	0.59	0.00	0.20	0.05
	Total	0.10	0.54	0.76	0.00	0.24	0.07
TOTAL		1.62	12.25	13.37	0.03	0.75	0.56
Onsite		2023					
	Off-Road	1.52	11.71	12.61	0.02	0.51	0.50
	Total	1.52	11.71	12.61	0.02	0.51	0.50
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.49	0.17	0.00	0.04	0.01
	Worker	0.08	0.05	0.65	0.00	0.20	0.05
	Total	0.10	0.54	0.80	0.00	0.24	0.07
TOTAL		1.62	12.25	13.41	0.03	0.75	0.56

Building Construction 2024

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2024 Summer					
	Off-Road	1.42	11.06	12.52	0.02	0.45	0.43
	Total	1.42	11.06	12.52	0.02	0.45	0.43
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.01	0.49	0.15	0.00	0.04	0.01
	Worker	0.07	0.04	0.61	0.00	0.20	0.05
	Total	0.08	0.53	0.75	0.00	0.24	0.07
TOTAL		1.50	11.59	13.27	0.03	0.69	0.50
Onsite		2024 Winter					
	Off-Road	1.42	11.06	12.52	0.02	0.45	0.43
	Total	1.42	11.06	12.52	0.02	0.45	0.43
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.49	0.16	0.00	0.04	0.01
	Worker	0.08	0.05	0.55	0.00	0.20	0.05
	Total	0.09	0.53	0.71	0.00	0.24	0.07
TOTAL		1.51	11.60	13.23	0.03	0.69	0.50
Onsite		2024					
	Off-Road	1.42	11.06	12.52	0.02	0.45	0.43
	Total	1.42	11.06	12.52	0.02	0.45	0.43
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.02	0.49	0.16	0.00	0.04	0.01
	Worker	0.08	0.05	0.61	0.00	0.20	0.05
	Total	0.09	0.53	0.75	0.00	0.24	0.07
TOTAL		1.51	11.60	13.27	0.03	0.69	0.50

Architectural Coating							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2024 Summer					
	Archit. Coating	2.85				0.00	0.00
	Off-Road	0.18	1.22	1.81	0.00	0.06	0.06
	Total	3.03	1.22	1.81	0.00	0.06	0.06
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.13	0.00	0.04	0.01
	Total	0.01	0.01	0.13	0.00	0.04	0.01
TOTAL		3.05	1.23	1.94	0.00	0.10	0.07
Onsite		2024 Winter					
	Archit. Coating	2.85				0.00	0.00
	Off-Road	0.18	1.22	1.81	0.00	0.06	0.06
	Total	3.03	1.22	1.81	0.00	0.06	0.06
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.12	0.00	0.04	0.01
	Total	0.02	0.01	0.12	0.00	0.04	0.01
TOTAL		3.05	1.23	1.93	0.00	0.10	0.07
Onsite		2024					
	Archit. Coating	2.85	0.00	0.00	0.00	0.00	0.00
	Off-Road	0.18	1.22	1.81	0.00	0.06	0.06
	Total	3.03	1.22	1.81	0.00	0.06	0.06
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.02	0.01	0.13	0.00	0.04	0.01
	Total	0.02	0.01	0.13	0.00	0.04	0.01
TOTAL		3.05	1.23	1.94	0.00	0.10	0.07
Finishing and Landscaping							
		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
Onsite		2024 Summer					
	Off-Road	0.18	1.40	3.27	0.01	0.07	0.06
	Total	0.18	1.40	3.27	0.01	0.07	0.06
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.10	0.00	0.03	0.01
	Total	0.01	0.01	0.10	0.00	0.03	0.01
TOTAL		0.19	1.41	3.36	0.01	0.10	0.07
Onsite		2024 Winter					
	Off-Road	0.18	1.40	3.27	0.01	0.07	0.06
	Total	0.18	1.40	3.27	0.01	0.07	0.06
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.09	0.00	0.03	0.01
	Total	0.01	0.01	0.09	0.00	0.03	0.01
TOTAL		0.19	1.41	3.35	0.01	0.10	0.07
Onsite		2024					
	Off-Road	0.18	1.40	3.27	0.01	0.07	0.06
	Total	0.18	1.40	3.27	0.01	0.07	0.06
Offsite							
	Hauling	0.00	0.00	0.00	0.00	0.00	0.00
	Vendor	0.00	0.00	0.00	0.00	0.00	0.00
	Worker	0.01	0.01	0.10	0.00	0.03	0.01
	Total	0.01	0.01	0.10	0.00	0.03	0.01
TOTAL		0.19	1.41	3.36	0.01	0.10	0.07

	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
<i>Demolition/Demolition Haul</i>	1.83	19.36	15.15	0.03	1.38	0.91
<i>Grading/Grading Soil Haul</i>	1.23	15.36	7.10	0.03	2.91	1.65
<i>Utility Trenching</i>	0.22	1.79	3.37	0.01	0.12	0.09
<i>Building Construction 2022</i>	1.75	13.20	13.60	0.03	0.83	0.64
<i>Building Construction 2023</i>	1.62	12.25	13.41	0.03	0.75	0.56
<i>Building Construction 2024</i>	1.51	11.60	13.27	0.03	0.69	0.50
<i>Architectural Coating</i>	3.05	1.23	1.94	0.00	0.10	0.07
<i>Finishing/Landscaping</i>	0.19	1.41	3.36	0.01	0.10	0.07
MAX DAILY	3.05	19.36	15.15	0.03	2.91	1.65
Regional Thresholds	75	100	550	150	150	55
Exceeds Thresholds?	No	No	No	No	No	No

Construction LSTs Worksheet:

Demolition			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2022				
	Off-Road		16.62	13.96	0.84	0.78
	Total		16.62	13.96	0.84	0.78
TOTAL			16.62	13.96	0.84	0.78
Onsite		2022				
	Off-Road		16.62	13.96	0.84	0.78
	Total		16.62	13.96	0.84	0.78
TOTAL			16.62	13.96	0.84	0.78
Onsite		2022				
	Off-Road		16.62	13.96	0.84	0.78
	Total		16.62	13.96	0.84	0.78
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			16.62	13.96	0.84	0.78

Demolition Haul			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2022				
	Fugitive Dust				0.23	0.03
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.23	0.03
TOTAL			0.00	0.00	0.23	0.03
Onsite		2022				
	Fugitive Dust				0.23	0.03
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.23	0.03
TOTAL			0.00	0.00	0.23	0.03
Onsite		2022				
	Fugitive Dust		0.00	0.00	0.23	0.03
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.23	0.03
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			0.00	0.00	0.23	0.03

Grading			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2022				
	Fugitive Dust				2.08	1.08
	Off-Road		12.00	5.94	0.52	0.48
	Total		12.00	5.94	2.60	1.55
TOTAL			12.00	5.94	2.60	1.55
Onsite		2022				
	Fugitive Dust				2.08	1.08
	Off-Road		12.00	5.94	0.52	0.48
	Total		12.00	5.94	2.60	1.55
TOTAL			12.00	5.94	2.60	1.55
Onsite		2022				
	Fugitive Dust		0.00	0.00	2.08	1.08
	Off-Road		12.00	5.94	0.52	0.48
	Total		12.00	5.94	2.60	1.55
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			12.00	5.94	2.60	1.55

Grading Soil Haul						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2022				
	Fugitive Dust				0.00	0.00
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			0.00	0.00	0.00	0.00
Onsite		2022				
	Fugitive Dust				0.00	0.00
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			0.00	0.00	0.00	0.00
Onsite		2022				
	Fugitive Dust		0.00	0.00	0.00	0.00
	Off-Road		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			0.00	0.00	0.00	0.00

Utilities Trenching						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2022				
	Off-Road		1.78	3.26	0.09	0.08
	Total		1.78	3.26	0.09	0.08
TOTAL			1.78	3.26	0.09	0.08
Onsite		2022				
	Off-Road		1.78	3.26	0.09	0.08
	Total		1.78	3.26	0.09	0.08
TOTAL			1.78	3.26	0.09	0.08
Onsite		2022				
	Off-Road		1.78	3.26	0.09	0.08
	Total		1.78	3.26	0.09	0.08
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			1.78	3.26	0.09	0.08

Building Construction 2022						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2022				
	Off-Road		12.50	12.73	0.59	0.57
	Total		12.50	12.73	0.59	0.57
TOTAL			12.50	12.73	0.59	0.57
Onsite		2022				
	Off-Road		12.50	12.73	0.59	0.57
	Total		12.50	12.73	0.59	0.57
TOTAL			12.50	12.73	0.59	0.57
Onsite		2022				
	Off-Road		12.50	12.73	0.59	0.57
	Total		12.50	12.73	0.59	0.57
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			12.50	12.73	0.59	0.57

Building Construction 2023

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2023				
	Off-Road		11.71	12.61	0.51	0.50
	Total		11.71	12.61	0.51	0.50
TOTAL			11.71	12.61	0.51	0.50
Onsite		2023				
	Off-Road		11.71	12.61	0.51	0.50
	Total		11.71	12.61	0.51	0.50
TOTAL			11.71	12.61	0.51	0.50
Onsite		2023				
	Off-Road		11.71	12.61	0.51	0.50
	Total		11.71	12.61	0.51	0.50
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			11.71	12.61	0.51	0.50

Building Construction 2024

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2024				
	Off-Road		11.06	12.52	0.45	0.43
	Total		11.06	12.52	0.45	0.43
TOTAL			11.06	12.52	0.45	0.43
Onsite		2024				
	Off-Road		11.06	12.52	0.45	0.43
	Total		11.06	12.52	0.45	0.43
TOTAL			11.06	12.52	0.45	0.43
Onsite		2024				
	Off-Road		11.06	12.52	0.45	0.43
	Total		11.06	12.52	0.45	0.43
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			11.06	12.52	0.45	0.43

Architectural Coating

			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2024				
	Archit. Coating				0.00	0.00
	Off-Road		1.22	1.81	0.06	0.06
	Total		1.22	1.81	0.06	0.06
TOTAL			1.22	1.81	0.06	0.06
Onsite		2024				
	Archit. Coating				0.00	0.00
	Off-Road		1.22	1.81	0.06	0.06
	Total		1.22	1.81	0.06	0.06
TOTAL			1.22	1.81	0.06	0.06
Onsite		2024				
	Archit. Coating		0.00	0.00	0.00	0.00
	Off-Road		1.22	1.81	0.06	0.06
	Total		1.22	1.81	0.06	0.06
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			1.22	1.81	0.06	0.06

Finishing and Landscaping						
			NOx	CO	PM10 Total	PM2.5 Total
Onsite		2024				
	Off-Road		1.40	3.27	0.07	0.06
	Total		1.40	3.27	0.07	0.06
TOTAL			1.40	3.27	0.07	0.06
Onsite		2024				
	Off-Road		1.40	3.27	0.07	0.06
	Total		1.40	3.27	0.07	0.06
TOTAL			1.40	3.27	0.07	0.06
Onsite		2024				
	Off-Road		1.40	3.27	0.07	0.06
	Total		1.40	3.27	0.07	0.06
Offsite						
	Hauling		0.00	0.00	0.00	0.00
	Vendor		0.00	0.00	0.00	0.00
	Worker		0.00	0.00	0.00	0.00
	Total		0.00	0.00	0.00	0.00
TOTAL			1.40	3.27	0.07	0.06
Demolition/Demolition Haul			17	14	1.07	0.82
	1.01 Acre LST		69	538	4.02	3.01
	Exceeds LST?		no	no	no	no
Grading/Grading Soil Haul			12	6	2.60	1.55
	1.01 Acre LST		69	538	4.02	3.01
	Exceeds LST?		no	no	no	no
Utility Trenching			2	3	0.09	0.08
	≤1.00 Acre LST		69	535	4.00	3.00
	Exceeds LST?		no	no	no	no
Building Construction 2022			13	13	0.59	0.57
	≤1.00 Acre LST		69	535	4.00	3.00
	Exceeds LST?		no	no	no	no
Building Construction 2023			12	13	0.51	0.50
	≤1.00 Acre LST		69	535	4.00	3.00
	Exceeds LST?		no	no	no	no
Building Construction 2024			11	13	0.45	0.43
	≤1.00 Acre LST		69	535	4.00	3.00
	Exceeds LST?		no	no	no	no
Architectural Coating			1	2	0.06	0.06
	≤1.00 Acre LST		69	535	4.00	3.00
	Exceeds LST?		no	no	no	no
Finishing/Landscaping			1	3	0.07	0.06
	≤1.00 Acre LST		69	535	4.00	3.00
	Exceeds LST?		no	no	no	no

GHG Emissions Inventory

Proposed Project Buildout

Construction

	<u>MTCO₂e Total Project*</u>
2022	156
2023	281
2024	32
Total Construction	470

*CalEEMod, Version 2016.3.2.25

Operation*

Proposed Project			
Energy	12		MTCO ₂ e/Year
Amortized Construction Emissions***	16		MTCO ₂ e/Year
Total	27		MTCO₂e/Year
Net Emissions			
SCAQMD Bright-Line Screening Threshold	3,000		MTCO ₂ e/Year
Exceed Threshold?	No		

*CalEEMod, Version 2016.3.2.25

** MTCO₂e=metric tons of carbon dioxide equivalent.

*** Total construction emissions are amortized over 30 years per SCAQMD methodology; SCAQMD. 2009, November 19. Greenhouse Gases (GHG) CEQA Significance Thresholds Working Group Meeting 14. [http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-\(ghg\)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2](http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-14/ghg-meeting-14-main-presentation.pdf?sfvrsn=2).

Project Assumptions

CalEEMod Inputs - Crescenta Valley High School Football Field

Name: Crescenta Valley High School Football Field
 Project Number: GSD-02
 Project Location: Community Avenue to the north, I-210 to the south, Glenwood Avenue to the east, and Ramsdell Avenue to west
 County: Los Angeles County
 Source Receptor Area (SRA): 8- West San Gabriel Valley
 Climate Zone: 9
 Land Use Setting: Urban
 Operational Year: 2023
 Utility Company: Glendale Water and Power
 Air Basin: SoCAB
 Air District: South Coast Air Quality Management District (South Coast AQMD)

Project Site Acreage	4.37
Disturbed Site Acreage	1.00

Project Components		
Demolition	SQFT	Tons
Asphalt Demolition		500
New Construction		
	SQFT	Acres
Pressbox	200	0.005
Concession Stand	540	0.012
Restrooms	1,860	0.043
Home Team Room	2,254	0.052
Storage	1,300	0.030
Total Building SQFT	6,154	0.14
Total Other Asphalt Surfaces	8,000	0.18
Total Hardscape	30,000	0.69
Total	38,000	0.87
Stadium Seating	14,500	0.33

3,442 seats

CalEEMod Land Use Inputs

Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Land Use Square Feet
Educational	High School	6,154	1000 sqft	0.14	6,154
Parking	Other Asphalt Surfaces	8,000	1000 sqft	0.18	8,000
Parking	Other Non-asphalt Surfaces	30,000	1000 sqft	0.69	30,000
				1.01	

Demolition						
Component	Amount to be Demolished (Tons)	Haul Truck Capacity (tons)	Haul Distance (miles)	Total Trip Ends	Trip Ends/ day	Duration (days)
Building	0	5	20	0	0	3
Asphalt	500	5	20	200	67	3
Total	500.000			200		

Soil Haul¹

Construction Activities	Haul Truck Capacity (cy)	Import Volume (CY)	No. of total one-way import haul (trip ends)	No. of total one-way haul (trip ends/day)	Export Volume (CY)	No. of total one-way export haul (trip ends)	No. of total one-way haul (trip ends/day)	Total Days
Grading	16	0	0	0	800	100	13	8

Export Haul Travel Distance (1-Way): 20

Architectural Coating

Percentage of Proposed Buildings' Interior Painted: 100%
 Percentage of Proposed Buildings' Exterior Painted: 100%

SCAQMD Rule 1113

Interior Paint VOC content: 100 grams per liter
 Exterior Paing VOC content: 100 grams per liter

Non-Residential Structures	Land Use Square Feet	CalEEMod Factor ²	Total Paintable Surface		
			Area	Paintable Interior Area ¹	Paintable Exterior Area ¹
Total Building	6,154	2.0	12,308	9,231	3,077
			12,308	9,231	3,077

¹CalEEMod methodology calculates the paintable interior and exterior areas by multiplying the total paintable surface area by 75 and 25 percent, respectively.
²The program assumes the total surface for painting equals 2.7 times the floor square footage for residential and 2 times that for nonresidential square footage defined by the user. Architectural coatings for the parking lot is based on CalEEMod methodology applied to a surface parking lot (i.e., striping), in which 6% of surface area is painted.
³100% of the interior and exterior of buildings to be modernized will be painted

Glendale Water and Power Carbon Intensity Factors

CO2:	1,115.33	pounds per megawatt hour
CH4:	0.029	pound per megawatt hour
N2O:	0.00617	pound per megawatt hour

Construction Mitigation

SCAQMD Rule 403

Replace Ground Cover	PM10:	5	% Reduction
Replace Ground Cover	PM2.5:	5	% Reduction
	PM2.5:	5	% Reduction

Water Exposed Area

Frequency:	2	per day
PM10:	55	% Reduction
PM2.5:	55	% Reduction

Unpaved Roads

Vehicle Speed:	15	mph
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SCAQMD Rule 1186

Clean Paved Road	9	% PM Reduction
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Lighting (Electricity Use)

Electricity:	Total Average kW/Event *	Events/Year	Hours**	Kwh (Annual)
Varsity Football Games	58.56	5	6	1,757
Boy's Soccer Games	58.56	25	6	8,784
Girl's Soccer Games	58.56	20	6	7,027
Public Use*	58.56	15	6	5,270

*assuming public use would happen 5 times per sports season

Total Annual kWh 22,838

Calculation of GHGs from Field Lighting (Glendale Water and Power)

CO ₂ **	CH ₄ ***	N ₂ O***	CO ₂ e	CO ₂ e
lbs/Mwh	lbs/Mwh	lbs/Mwh	lbs/Mwh	MT/Kwh
1,115.33000	0.02900	0.00617	1,115.37	0.000506

CO₂e from Lighting 11.55 MT/Year

*Based on Musco Lighting Plan for the proposed stadium as provided by the District.
 **Based on worst case estimate

***California Air Pollution Control Officers Association (CAPCOA). 2016. California Emissions Estimator Model (CalEEMod), Version 2016.3.2.25. Based on the California Air Resources Board (CARB) Local Government Operations Protocol (LGO) for CO₂ and E-Grid values for CH₄ and N₂O. Appendix D, Default Data Tables. Table 1.2, Electrical Utility Emission Factors of GHGs.

Global Warming Potentials (GWP)

CO ₂	1
CH ₄	25
N ₂ O	298

Source: Intergovernmental Panel on Climate Change (IPCC). 2007. Fourth Assessment Report: Climate Change 2007. New York: Cambridge University Press.

Construction Activities and Schedule Assumptions: Crescenta Valley High School Football Field

** Construction duration provided by applicant (starting Summer 2022, 21 month duration)*

Construction Activities	Phase Type	Construction Schedule		
		Start Date	End Date	CalEEMod Duration
Demolition	Demolition	6/15/2022	6/28/2022	10
Demolition Haul	Demolition	6/15/2022	6/28/2022	10
Grading	Grading	6/29/2022	7/4/2022	4
Grading Soil Haul	Grading	6/29/2022	7/4/2022	4
Utilities Trenching	Trenching	7/5/2022	7/11/2022	5
Building Construction	Building Construction	7/12/2022	4/17/2023	200
Architectural Coating	Architectural Coating	4/18/2023	5/1/2023	10
Finishing/Landscaping	Trenching	5/2/2023	5/8/2023	5

CalEEMod Construction Schedule Inputs

Construction Activities	Phase Type	Start Date	End Date	CalEEMod Duration (Workday)
Demolition	Demolition	6/15/2022	7/12/2022	20
Demolition Haul	Demolition	6/15/2022	7/12/2022	20
Grading	Grading	7/13/2022	7/24/2022	8
Grading Soil Haul	Grading	7/13/2022	7/24/2022	8
Utilities Trenching	Trenching	7/25/2022	8/7/2022	10
Building Construction	Building Construction	8/8/2022	2/3/2024	390
Architectural Coating	Architectural Coating	2/4/2024	3/1/2024	20
Finishing/Landscaping	Trenching	3/2/2024	3/15/2024	10

CalEEMod Construction Off-Road Equipment Inputs

*Based on CalEEMod defaults, assumed equipment would not be shared for most conservative results

General Construction Hours: 8 hours btwn 7:00 AM to 4:00 PM (with 1 hr break), Mon-Fri

Construction Equipment Details						
Equipment	model	# of Equipment	hr/day	hp	load factor*	total trips
Demolition						
Concrete/Industrial Saws		1	8	81	0.73	
Rubber Tired Dozers		1	8	247	0.4	
Tractors/Loaders/Backhoes		3	8	97	0.37	
Worker Trips						13
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Demolition Haul						
no additional equipment required for demolition haul						
Worker Trips						0
Vendor Trips						0
Hauling Trips						200
Water Trucks						0
Grading						
Graders		1	6	187	0.41	
Rubber Tired Dozers		1	6	247	0.4	
Tractors/Loaders/Backhoes		1	7	97	0.37	
Worker Trips						8
Vendor Trips						0
Hauling Trips						0
Water Trucks						2
Grading Soil Haul						
no additional equipment required for grading soil haul						
Worker Trips						0
Vendor Trips						0
Hauling Trips						100
Water Trucks						0
Utilities Trenching						
Excavators		1	8	158	0.3819	
Worker Trips						3
Vendor Trips						0
Hauling Trips						0
Building Construction						
Cranes		1	6	231	0.29	
Forklifts		1	6	89	0.2	
Generator Sets		1	8	84	0.74	
Tractors/Loaders/Backhoes		1	6	97	0.37	
Welders		3	8	46	0.45	
Worker Trips						19
Vendor Trips						7
Hauling Trips						0
Architectural Coating						
Air Compressors		1	6	78	0.48	
Worker Trips						4
Vendor Trips						0
Hauling Trips						0
Finishing/Landscaping						
Excavators		1	8	158	0.3819	
Worker Trips						3
Vendor Trips						0
Hauling Trips						0

Construction Trips Worksheet

Phase Name	Worker Trip Ends Per	Vendor Trip Ends Per	Haul Truck Trip Ends	Total Haul Truck Trip	Start Date	End Date	Workdays
	Day	Day	Per Day	Ends			
Demolition	13	2	0	0	6/15/2022	7/12/2022	20
Demolition Haul	0	0	10	200	6/15/2022	7/12/2022	20
Grading	8	2	0	0	7/13/2022	7/24/2022	8
Grading Soil Haul	0	0	13	100	7/13/2022	7/24/2022	8
Utilities Trenching	3	0	0	0	7/25/2022	8/7/2022	10
Building Construction	19	7	0	0	8/8/2022	2/3/2024	390
Architectural Coating	4	0	0	0	2/4/2024	3/1/2024	20
Finishing/Landscaping	3	0	0	0	3/2/2024	3/15/2024	10

Construction Activity (Overlapping)	Worker Trip Ends Per	Vendor Trip Ends Per	Haul Truck Trip Ends	Total Trip Ends Per	Start Date	End Date	Workdays
	Day	Day	Per Day	Day			
Demolition and Demolition Haul	13	2	10	25	6/15/2022	7/12/2022	20
Grading and Grading Soil Haul	8	2	13	23	7/13/2022	7/24/2022	8
Utilities Trenching	3	0	0	3	7/25/2022	8/7/2022	10
Building Construction	19	7	0	26	8/8/2022	2/3/2024	390
Architectural Coating	4	0	0	4	2/4/2024	3/1/2024	20
Finishing/Landscaping	3	0	0	3	3/2/2024	3/15/2024	10
Maximum Daily Trips	19	7	13	26			

CalEEMod Construction Model

Crescenta Valley High School Football Field Construction - Los Angeles-South Coast County, Summer

**Crescenta Valley High School Football Field Construction
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	6.15	1000sqft	0.14	6,154.00	0
Other Asphalt Surfaces	8.00	1000sqft	0.18	8,000.00	0
Other Non-Asphalt Surfaces	30.00	1000sqft	0.69	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2023
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MWhr)	1115.33	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 - default construction durations normalized to fit over 21 month period starting summer 2020

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - no additional equipment required for demolition haul

Off-road Equipment - assuming 1 excavator for finishing/landscaping

Off-road Equipment -

Off-road Equipment - no additional equipment required for grading soil haul

Off-road Equipment - assuming 1 excavator for trenching

Trips and VMT - assuming 2 vt/water truck/day for demo and grading

Demolition -

Grading -

Architectural Coating - no parking area included

Construction Off-road Equipment Mitigation - SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	2,280.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	200.00	390.00
tblConstructionPhase	NumDays	4.00	8.00
tblConstructionPhase	NumDays	4.00	8.00
tblGrading	AcresOfGrading	3.00	2.63
tblGrading	MaterialExported	0.00	800.00
tblLandUse	LandUseSquareFeet	6,150.00	6,154.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	49.00	200.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.8262	19.3329	15.1142	0.0338	5.1973	0.8465	5.7246	2.6094	0.7911	3.0948	0.0000	3,357.1816	3,357.1816	0.6557	0.0000	3,373.5751
2023	1.6097	12.2465	13.4131	0.0258	0.2572	0.5167	0.7739	0.0692	0.4989	0.5681	0.0000	2,387.6345	2,387.6345	0.3548	0.0000	2,396.5049
2024	3.0474	11.5941	13.2705	0.0257	0.2572	0.4527	0.7099	0.0692	0.4368	0.5060	0.0000	2,380.7858	2,380.7858	0.3477	0.0000	2,389.4788
Maximum	3.0474	19.3329	15.1142	0.0338	5.1973	0.8465	5.7246	2.6094	0.7911	3.0948	0.0000	3,357.1816	3,357.1816	0.6557	0.0000	3,373.5751

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					
2022	1.8262	19.3329	15.1142	0.0338	2.3828	0.8465	2.9101	1.1599	0.7911	1.6453	0.0000	3,357.1816	3,357.1816	0.6557	0.0000	3,373.5751
2023	1.6097	12.2465	13.4131	0.0258	0.2377	0.5167	0.7544	0.0644	0.4989	0.5633	0.0000	2,387.6345	2,387.6345	0.3548	0.0000	2,396.5049
2024	3.0474	11.5941	13.2705	0.0257	0.2377	0.4527	0.6904	0.0644	0.4368	0.5012	0.0000	2,380.7858	2,380.7858	0.3477	0.0000	2,389.4788
Maximum	3.0474	19.3329	15.1142	0.0338	2.3828	0.8465	2.9101	1.1599	0.7911	1.6453	0.0000	3,357.1816	3,357.1816	0.6557	0.0000	3,373.5751

	ROG	NOx	CO	SO2	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	49.96	0.00	39.59	53.10	0.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/15/2022	7/12/2022	5	20	a
2	Demolition Haul	Demolition	6/15/2022	7/12/2022	5	20	b
3	Grading	Grading	7/13/2022	7/24/2022	5	8	c

4	Grading Soil Haul	Grading	7/13/2022	7/24/2022	5	8 d
5	Utilities Trenching	Trenching	7/25/2022	8/7/2022	5	10 e
6	Building Construction	Building Construction	8/8/2022	2/3/2024	5	390 f
7	Architectural Coating	Architectural Coating	2/4/2024	3/1/2024	5	20 g
8	Finishing/Landscaping	Trenching	3/2/2024	3/15/2024	5	10 h

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.63

Acres of Paving: 0.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,231; Non-Residential Outdoor: 3,077; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition Haul	Rubber Tired Dozers	0	8.00	247	0.40
Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading Soil Haul	Graders	0	6.00	187	0.41
Grading Soil Haul	Rubber Tired Dozers	0	6.00	247	0.40
Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Utilities Trenching	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Architectural Coating	Air Compressors	1	6.00	78	0.48
Finishing/Landscaping	Excavators	1	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition Haul	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Soil Haul	0	0.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Trenching	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	19.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0579	0.2193	0.5311	1.9400e-003	0.1581	1.4900e-003	0.1596	0.0422	1.3800e-003	0.0436		197.3298	197.3298	7.0700e-003		197.5065

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0120	3.5000e-004	0.0123	3.4900e-003	3.3000e-004	3.8200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1339	1.1400e-003	0.1351	0.0358	1.0500e-003	0.0368		142.8326	142.8326	3.9400e-003		142.9312
Total	0.0579	0.2193	0.5311	1.9400e-003	0.1459	1.4900e-003	0.1474	0.0392	1.3800e-003	0.0406		197.3298	197.3298	7.0700e-003		197.5065

3.3 Demolition Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5350	0.0000	0.5350	0.0810	0.0000	0.0810			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.5350	0.0000	0.5350	0.0810	0.0000	0.0810		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0794	2.4919	0.6226	7.7000e-003	0.1749	7.1500e-003	0.1820	0.0479	6.8400e-003	0.0548		836.4350	836.4350	0.0566		837.8495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0794	2.4919	0.6226	7.7000e-003	0.1749	7.1500e-003	0.1820	0.0479	6.8400e-003	0.0548		836.4350	836.4350	0.0566		837.8495

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2287	0.0000	0.2287	0.0346	0.0000	0.0346			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.2287	0.0000	0.2287	0.0346	0.0000	0.0346	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0794	2.4919	0.6226	7.7000e-003	0.1630	7.1500e-003	0.1701	0.0450	6.8400e-003	0.0519		836.4350	836.4350	0.0566		837.8495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0794	2.4919	0.6226	7.7000e-003	0.1630	7.1500e-003	0.1701	0.0450	6.8400e-003	0.0519		836.4350	836.4350	0.0566		837.8495

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8652	0.0000	4.8652	2.5203	0.0000	2.5203			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.8652	0.5173	5.3825	2.5203	0.4759	2.9962		1,364.8198	1,364.8198	0.4414		1,375.8551

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0128	3.5000e-004	0.0132	3.6900e-003	3.3000e-004	4.0200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0321	0.0213	0.2973	8.8000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0378	0.2060	0.3453	1.3900e-003	0.1022	1.0500e-003	0.1033	0.0274	9.7000e-004	0.0284		142.3942	142.3942	5.5600e-003		142.5330

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0799	0.0000	2.0799	1.0774	0.0000	1.0774			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	2.0799	0.5173	2.5972	1.0774	0.4759	1.5533	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.7100e-003	0.1847	0.0480	5.1000e-004	0.0120	3.5000e-004	0.0123	3.4900e-003	3.3000e-004	3.8200e-003		54.4972	54.4972	3.1300e-003		54.5754
Worker	0.0321	0.0213	0.2973	8.8000e-004	0.0824	7.0000e-004	0.0831	0.0220	6.4000e-004	0.0226		87.8970	87.8970	2.4300e-003		87.9576
Total	0.0378	0.2060	0.3453	1.3900e-003	0.0944	1.0500e-003	0.0955	0.0255	9.7000e-004	0.0265		142.3942	142.3942	5.5600e-003		142.5330

3.5 Grading Soil Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0992	3.1148	0.7782	9.6200e-003	0.2186	8.9400e-003	0.2275	0.0599	8.5600e-003	0.0685		1,045.5437	1,045.5437	0.0707		1,047.3119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0992	3.1148	0.7782	9.6200e-003	0.2186	8.9400e-003	0.2275	0.0599	8.5600e-003	0.0685		1,045.5437	1,045.5437	0.0707		1,047.3119

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.8300e-003	0.0000	4.8300e-003	7.3000e-004	0.0000	7.3000e-004			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	4.8300e-003	0.0000	4.8300e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0992	3.1148	0.7782	9.6200e-003	0.2037	8.9400e-003	0.2127	0.0563	8.5600e-003	0.0648		1,045.5437	1,045.5437	0.0707		1,047.3119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0992	3.1148	0.7782	9.6200e-003	0.2037	8.9400e-003	0.2127	0.0563	8.5600e-003	0.0648		1,045.5437	1,045.5437	0.0707		1,047.3119

3.6 Utilities Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790		500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790		500.0153	500.0153	0.1617		504.0582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841
Total	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		32.9614	32.9614	9.1000e-004		32.9841

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.4000e-004	8.4900e-003		32.9614	32.9614	9.1000e-004			32.9841
Total	0.0121	7.9800e-003	0.1115	3.3000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.4000e-004	8.4900e-003		32.9614	32.9614	9.1000e-004			32.9841

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486			2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486			2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0200	0.6463	0.1681	1.7800e-003	0.0448	1.2100e-003	0.0460	0.0129	1.1600e-003	0.0141		190.7401	190.7401	0.0110			191.0138
Worker	0.0763	0.0506	0.7060	2.1000e-003	0.2124	1.6600e-003	0.2140	0.0563	1.5300e-003	0.0579		208.7553	208.7553	5.7600e-003			208.8994
Total	0.0963	0.6969	0.8741	3.8800e-003	0.2572	2.8700e-003	0.2601	0.0692	2.6900e-003	0.0719		399.4955	399.4955	0.0167			399.9132

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0200	0.6463	0.1681	1.7800e-003	0.0419	1.2100e-003	0.0432	0.0122	1.1600e-003	0.0134		190.7401	190.7401	0.0110		191.0138
Worker	0.0763	0.0506	0.7060	2.1000e-003	0.1958	1.6600e-003	0.1974	0.0522	1.5300e-003	0.0538		208.7553	208.7553	5.7600e-003		208.8994
Total	0.0963	0.6969	0.8741	3.8800e-003	0.2377	2.8700e-003	0.2406	0.0644	2.6900e-003	0.0671		399.4955	399.4955	0.0167		399.9132

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0148	0.4904	0.1518	1.7200e-003	0.0448	5.7000e-004	0.0454	0.0129	5.4000e-004	0.0135		184.7352	184.7352	9.7000e-003		184.9777
Worker	0.0716	0.0458	0.6502	2.0200e-003	0.2124	1.6200e-003	0.2140	0.0563	1.4900e-003	0.0578		201.1116	201.1116	5.1900e-003		201.2415
Total	0.0865	0.5362	0.8020	3.7400e-003	0.2572	2.1900e-003	0.2594	0.0692	2.0300e-003	0.0713		385.8468	385.8468	0.0149		386.2191

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0148	0.4904	0.1518	1.7200e-003	0.0419	5.7000e-004	0.0425	0.0122	5.4000e-004	0.0127		184.7352	184.7352	9.7000e-003		184.9777
Worker	0.0716	0.0458	0.6502	2.0200e-003	0.1958	1.6200e-003	0.1974	0.0522	1.4900e-003	0.0537		201.1116	201.1116	5.1900e-003		201.2415
Total	0.0865	0.5362	0.8020	3.7400e-003	0.2377	2.1900e-003	0.2399	0.0644	2.0300e-003	0.0665		385.8468	385.8468	0.0149		386.2191

3.7 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.4885	0.1472	1.7200e-003	0.0448	5.6000e-004	0.0454	0.0129	5.3000e-004	0.0134		183.9855	183.9855	9.5600e-003		184.2245
Worker	0.0678	0.0417	0.6061	1.9500e-003	0.2124	1.5900e-003	0.2140	0.0563	1.4700e-003	0.0578		194.8789	194.8789	4.7700e-003		194.9980
Total	0.0822	0.5303	0.7533	3.6700e-003	0.2572	2.1500e-003	0.2594	0.0692	2.0000e-003	0.0712		378.8644	378.8644	0.0143		379.2226

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0145	0.4885	0.1472	1.7200e-003	0.0419	5.6000e-004	0.0425	0.0122	5.3000e-004	0.0127		183.9855	183.9855	9.5600e-003		184.2245
Worker	0.0678	0.0417	0.6061	1.9500e-003	0.1958	1.5900e-003	0.1974	0.0522	1.4700e-003	0.0537		194.8789	194.8789	4.7700e-003		194.9980
Total	0.0822	0.5303	0.7533	3.6700e-003	0.2377	2.1500e-003	0.2399	0.0644	2.0000e-003	0.0664		378.8644	378.8644	0.0143		379.2226

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	3.0331	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0143	8.7800e-003	0.1276	4.1000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		41.0271	41.0271	1.0000e-003		41.0522
Total	0.0143	8.7800e-003	0.1276	4.1000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		41.0271	41.0271	1.0000e-003		41.0522

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	3.0331	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0143	8.7800e-003	0.1276	4.1000e-004	0.0412	3.4000e-004	0.0416	0.0110	3.1000e-004	0.0113		41.0271	41.0271	1.0000e-003		41.0522
Total	0.0143	8.7800e-003	0.1276	4.1000e-004	0.0412	3.4000e-004	0.0416	0.0110	3.1000e-004	0.0113		41.0271	41.0271	1.0000e-003		41.0522

3.9 Finishing/Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636		500.2654	500.2654	0.1618		504.3103
Total	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636		500.2654	500.2654	0.1618		504.3103

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		30.7704	30.7704	7.5000e-004		30.7892

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636	0.0000	500.2654	500.2654	0.1618		504.3103
Total	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636	0.0000	500.2654	500.2654	0.1618		504.3103

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		30.7704	30.7704	7.5000e-004		30.7892
Total	0.0107	6.5900e-003	0.0957	3.1000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		30.7704	30.7704	7.5000e-004		30.7892

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Crescenta Valley High School Football Field Construction - Los Angeles-South Coast County, Winter

**Crescenta Valley High School Football Field Construction
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	6.15	1000sqft	0.14	6,154.00	0
Other Asphalt Surfaces	8.00	1000sqft	0.18	8,000.00	0
Other Non-Asphalt Surfaces	30.00	1000sqft	0.69	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2023
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MWhr)	1115.33	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 - default construction durations normalized to fit over 21 month period starting summer 2020

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - no additional equipment required for demolition haul

Off-road Equipment - assuming 1 excavator for finishing/landscaping

Off-road Equipment -

Off-road Equipment - no additional equipment required for grading soil haul

Off-road Equipment - assuming 1 excavator for trenching

Trips and VMT - assuming 2 vt/water truck/day for demo and grading

Demolition -

Grading -

Architectural Coating - no parking area included

Construction Off-road Equipment Mitigation - SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	2,280.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	200.00	390.00
tblConstructionPhase	NumDays	4.00	8.00
tblConstructionPhase	NumDays	4.00	8.00
tblGrading	AcresOfGrading	3.00	2.63
tblGrading	MaterialExported	0.00	800.00
tblLandUse	LandUseSquareFeet	6,150.00	6,154.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	49.00	200.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.8344	19.3645	15.1134	0.0335	5.1973	0.8467	5.7247	2.6094	0.7912	3.0949	0.0000	3,332.7217	3,332.7217	0.6576	0.0000	3,349.1625
2023	1.6190	12.2492	13.3687	0.0256	0.2572	0.5167	0.7739	0.0692	0.4989	0.5681	0.0000	2,370.8835	2,370.8835	0.3551	0.0000	2,379.7600
2024	3.0492	11.5964	13.2289	0.0256	0.2572	0.4528	0.7100	0.0692	0.4368	0.5060	0.0000	2,364.4461	2,364.4461	0.3480	0.0000	2,373.1452
Maximum	3.0492	19.3645	15.1134	0.0335	5.1973	0.8467	5.7247	2.6094	0.7912	3.0949	0.0000	3,332.7217	3,332.7217	0.6576	0.0000	3,349.1625

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					
2022	1.8344	19.3645	15.1134	0.0335	2.3828	0.8467	2.9102	1.1599	0.7912	1.6455	0.0000	3,332.7217	3,332.7217	0.6576	0.0000	3,349.1625
2023	1.6190	12.2492	13.3687	0.0256	0.2377	0.5167	0.7544	0.0644	0.4989	0.5633	0.0000	2,370.8835	2,370.8835	0.3551	0.0000	2,379.7600
2024	3.0492	11.5964	13.2289	0.0256	0.2377	0.4528	0.6905	0.0644	0.4368	0.5013	0.0000	2,364.4461	2,364.4461	0.3480	0.0000	2,373.1452
Maximum	3.0492	19.3645	15.1134	0.0335	2.3828	0.8467	2.9102	1.1599	0.7912	1.6455	0.0000	3,332.7217	3,332.7217	0.6576	0.0000	3,349.1625

	ROG	NOx	CO	SO2	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	49.96	0.00	39.58	53.10	0.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/15/2022	7/12/2022	5	20	a
2	Demolition Haul	Demolition	6/15/2022	7/12/2022	5	20	b
3	Grading	Grading	7/13/2022	7/24/2022	5	8	c

4	Grading Soil Haul	Grading	7/13/2022	7/24/2022	5	8 d
5	Utilities Trenching	Trenching	7/25/2022	8/7/2022	5	10 e
6	Building Construction	Building Construction	8/8/2022	2/3/2024	5	390 f
7	Architectural Coating	Architectural Coating	2/4/2024	3/1/2024	5	20 g
8	Finishing/Landscaping	Trenching	3/2/2024	3/15/2024	5	10 h

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.63

Acres of Paving: 0.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,231; Non-Residential Outdoor: 3,077; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition Haul	Rubber Tired Dozers	0	8.00	247	0.40
Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading Soil Haul	Graders	0	6.00	187	0.41
Grading Soil Haul	Rubber Tired Dozers	0	6.00	247	0.40
Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Utilities Trenching	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Architectural Coating	Air Compressors	1	6.00	78	0.48
Finishing/Landscaping	Excavators	1	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition Haul	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Soil Haul	0	0.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Trenching	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	19.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0642	0.2225	0.4941	1.8500e-003	0.1581	1.5000e-003	0.1596	0.0422	1.3900e-003	0.0436		187.4881	187.4881	7.0300e-003		187.6639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0120	3.6000e-004	0.0123	3.4900e-003	3.4000e-004	3.8300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1339	1.1400e-003	0.1351	0.0358	1.0500e-003	0.0368		134.4940	134.4940	3.7000e-003		134.5866
Total	0.0642	0.2225	0.4941	1.8500e-003	0.1459	1.5000e-003	0.1474	0.0392	1.3900e-003	0.0406		187.4881	187.4881	7.0300e-003		187.6639

3.3 Demolition Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5350	0.0000	0.5350	0.0810	0.0000	0.0810			0.0000				0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.5350	0.0000	0.5350	0.0810	0.0000	0.0810		0.0000	0.0000	0.0000			0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0813	2.5203	0.6588	7.5600e-003	0.1749	7.2700e-003	0.1821	0.0479	6.9500e-003	0.0549		821.8167	821.8167	0.0585			823.2795
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0813	2.5203	0.6588	7.5600e-003	0.1749	7.2700e-003	0.1821	0.0479	6.9500e-003	0.0549		821.8167	821.8167	0.0585			823.2795

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2287	0.0000	0.2287	0.0346	0.0000	0.0346			0.0000				0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.2287	0.0000	0.2287	0.0346	0.0000	0.0346	0.0000	0.0000	0.0000	0.0000			0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0813	2.5203	0.6588	7.5600e-003	0.1630	7.2700e-003	0.1702	0.0450	6.9500e-003	0.0520		821.8167	821.8167	0.0585		823.2795
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0813	2.5203	0.6588	7.5600e-003	0.1630	7.2700e-003	0.1702	0.0450	6.9500e-003	0.0520		821.8167	821.8167	0.0585		823.2795

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8652	0.0000	4.8652	2.5203	0.0000	2.5203			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.8652	0.5173	5.3825	2.5203	0.4759	2.9962		1,364.8198	1,364.8198	0.4414		1,375.8551

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0128	3.6000e-004	0.0132	3.6900e-003	3.4000e-004	4.0300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0358	0.0236	0.2713	8.3000e-004	0.0894	7.0000e-004	0.0901	0.0237	6.4000e-004	0.0244		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0418	0.2077	0.3245	1.3300e-003	0.1022	1.0600e-003	0.1033	0.0274	9.8000e-004	0.0284		135.7596	135.7596	5.6100e-003		135.8999

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0799	0.0000	2.0799	1.0774	0.0000	1.0774			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	2.0799	0.5173	2.5972	1.0774	0.4759	1.5533	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.9900e-003	0.1842	0.0532	5.0000e-004	0.0120	3.6000e-004	0.0123	3.4900e-003	3.4000e-004	3.8300e-003		52.9941	52.9941	3.3300e-003		53.0773
Worker	0.0358	0.0236	0.2713	8.3000e-004	0.0824	7.0000e-004	0.0831	0.0220	6.4000e-004	0.0226		82.7656	82.7656	2.2800e-003		82.8225
Total	0.0418	0.2077	0.3245	1.3300e-003	0.0944	1.0600e-003	0.0955	0.0255	9.8000e-004	0.0265		135.7596	135.7596	5.6100e-003		135.8999

3.5 Grading Soil Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0113	0.0000	0.0113	1.7100e-003	0.0000	1.7100e-003		0.0000	0.0000	0.0000		0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1016	3.1504	0.8235	9.4600e-003	0.2186	9.0800e-003	0.2277	0.0599	8.6900e-003	0.0686		1,027.2709	1,027.2709	0.0731		1,029.0994
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1016	3.1504	0.8235	9.4600e-003	0.2186	9.0800e-003	0.2277	0.0599	8.6900e-003	0.0686		1,027.2709	1,027.2709	0.0731		1,029.0994

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.8300e-003	0.0000	4.8300e-003	7.3000e-004	0.0000	7.3000e-004			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	4.8300e-003	0.0000	4.8300e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1016	3.1504	0.8235	9.4600e-003	0.2037	9.0800e-003	0.2128	0.0563	8.6900e-003	0.0650		1,027.2709	1,027.2709	0.0731		1,029.0994
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.1016	3.1504	0.8235	9.4600e-003	0.2037	9.0800e-003	0.2128	0.0563	8.6900e-003	0.0650		1,027.2709	1,027.2709	0.0731		1,029.0994

3.6 Utilities Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790		500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790		500.0153	500.0153	0.1617		504.0582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0335	2.6000e-004	0.0338	8.8900e-003	2.4000e-004	9.1300e-003		31.0371	31.0371	8.5000e-004		31.0585

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582
Total	0.2024	1.7770	3.2551	5.1700e-003		0.0859	0.0859		0.0790	0.0790	0.0000	500.0153	500.0153	0.1617		504.0582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.4000e-004	8.4900e-003		31.0371	31.0371	8.5000e-004		31.0585
Total	0.0134	8.8400e-003	0.1018	3.1000e-004	0.0309	2.6000e-004	0.0312	8.2500e-003	2.4000e-004	8.4900e-003		31.0371	31.0371	8.5000e-004		31.0585

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0210	0.6446	0.1860	1.7300e-003	0.0448	1.2500e-003	0.0461	0.0129	1.2000e-003	0.0141		185.4792	185.4792	0.0117		185.7706
Worker	0.0851	0.0560	0.6444	1.9700e-003	0.2124	1.6600e-003	0.2140	0.0563	1.5300e-003	0.0579		196.5682	196.5682	5.4100e-003		196.7035
Total	0.1061	0.7005	0.8305	3.7000e-003	0.2572	2.9100e-003	0.2601	0.0692	2.7300e-003	0.0720		382.0474	382.0474	0.0171		382.4741

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0210	0.6446	0.1860	1.7300e-003	0.0419	1.2500e-003	0.0432	0.0122	1.2000e-003	0.0134		185.4792	185.4792	0.0117		185.7706
Worker	0.0851	0.0560	0.6444	1.9700e-003	0.1958	1.6600e-003	0.1974	0.0522	1.5300e-003	0.0538		196.5682	196.5682	5.4100e-003		196.7035
Total	0.1061	0.7005	0.8305	3.7000e-003	0.2377	2.9100e-003	0.2406	0.0644	2.7300e-003	0.0672		382.0474	382.0474	0.0171		382.4741

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0156	0.4882	0.1653	1.6800e-003	0.0448	6.0000e-004	0.0454	0.0129	5.7000e-004	0.0135		179.7189	179.7189	0.0103			179.9755
Worker	0.0802	0.0506	0.5924	1.9000e-003	0.2124	1.6200e-003	0.2140	0.0563	1.4900e-003	0.0578		189.3769	189.3769	4.8700e-003			189.4988
Total	0.0957	0.5388	0.7577	3.5800e-003	0.2572	2.2200e-003	0.2594	0.0692	2.0600e-003	0.0713		369.0958	369.0958	0.0151			369.4742

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399			2,010.2858
Total	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399			2,010.2858

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0156	0.4882	0.1653	1.6800e-003	0.0419	6.0000e-004	0.0425	0.0122	5.7000e-004	0.0128		179.7189	179.7189	0.0103			179.9755
Worker	0.0802	0.0506	0.5924	1.9000e-003	0.1958	1.6200e-003	0.1974	0.0522	1.4900e-003	0.0537		189.3769	189.3769	4.8700e-003			189.4988
Total	0.0957	0.5388	0.7577	3.5800e-003	0.2377	2.2200e-003	0.2399	0.0644	2.0600e-003	0.0665		369.0958	369.0958	0.0151			369.4742

3.7 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0152	0.4864	0.1603	1.6700e-003	0.0448	5.9000e-004	0.0454	0.0129	5.6000e-004	0.0135		179.0219	179.0219	0.0101		179.2746
Worker	0.0761	0.0462	0.5515	1.8400e-003	0.2124	1.5900e-003	0.2140	0.0563	1.4700e-003	0.0578		183.5027	183.5027	4.4700e-003		183.6144
Total	0.0913	0.5326	0.7118	3.5100e-003	0.2572	2.1800e-003	0.2594	0.0692	2.0300e-003	0.0713		362.5246	362.5246	0.0146		362.8889

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0152	0.4864	0.1603	1.6700e-003	0.0419	5.9000e-004	0.0425	0.0122	5.6000e-004	0.0128		179.0219	179.0219	0.0101		179.2746
Worker	0.0761	0.0462	0.5515	1.8400e-003	0.1958	1.5900e-003	0.1974	0.0522	1.4700e-003	0.0537		183.5027	183.5027	4.4700e-003		183.6144
Total	0.0913	0.5326	0.7118	3.5100e-003	0.2377	2.1800e-003	0.2399	0.0644	2.0300e-003	0.0665		362.5246	362.5246	0.0146		362.8889

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	3.0331	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0160	9.7200e-003	0.1161	3.9000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		38.6322	38.6322	9.4000e-004		38.6557
Total	0.0160	9.7200e-003	0.1161	3.9000e-004	0.0447	3.4000e-004	0.0451	0.0119	3.1000e-004	0.0122		38.6322	38.6322	9.4000e-004		38.6557

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.8524					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	3.0331	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0160	9.7200e-003	0.1161	3.9000e-004	0.0412	3.4000e-004	0.0416	0.0110	3.1000e-004	0.0113		38.6322	38.6322	9.4000e-004		38.6557
Total	0.0160	9.7200e-003	0.1161	3.9000e-004	0.0412	3.4000e-004	0.0416	0.0110	3.1000e-004	0.0113		38.6322	38.6322	9.4000e-004		38.6557

3.9 Finishing/Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636		500.2654	500.2654	0.1618		504.3103
Total	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636		500.2654	500.2654	0.1618		504.3103

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		28.9741	28.9741	7.1000e-004		28.9917
Total	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0335	2.5000e-004	0.0338	8.8900e-003	2.3000e-004	9.1200e-003		28.9741	28.9741	7.1000e-004		28.9917

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636	0.0000	500.2654	500.2654	0.1618		504.3103
Total	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636	0.0000	500.2654	500.2654	0.1618		504.3103

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		28.9741	28.9741	7.1000e-004		28.9917
Total	0.0120	7.2900e-003	0.0871	2.9000e-004	0.0309	2.5000e-004	0.0312	8.2500e-003	2.3000e-004	8.4800e-003		28.9741	28.9741	7.1000e-004		28.9917

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Crescenta Valley High School Football Field Construction - Los Angeles-South Coast County, Annual

**Crescenta Valley High School Football Field Construction
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	6.15	1000sqft	0.14	6,154.00	0
Other Asphalt Surfaces	8.00	1000sqft	0.18	8,000.00	0
Other Non-Asphalt Surfaces	30.00	1000sqft	0.69	30,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2023
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MWhr)	1115.33	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 - default construction durations normalized to fit over 21 month period starting summer 2020

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - no additional equipment required for demolition haul

Off-road Equipment - assuming 1 excavator for finishing/landscaping

Off-road Equipment -

Off-road Equipment - no additional equipment required for grading soil haul

Off-road Equipment - assuming 1 excavator for trenching

Trips and VMT - assuming 2 vt/water truck/day for demo and grading

Demolition -

Grading -

Architectural Coating - no parking area included

Construction Off-road Equipment Mitigation - SCAQMD Rule 1186

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	2,280.00	0.00
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	9
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	200.00	390.00
tblConstructionPhase	NumDays	4.00	8.00
tblConstructionPhase	NumDays	4.00	8.00
tblGrading	AcresOfGrading	3.00	2.63
tblGrading	MaterialExported	0.00	800.00
tblLandUse	LandUseSquareFeet	6,150.00	6,154.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	HaulingTripNumber	49.00	200.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1159	0.9587	0.9083	1.8200e-003	0.0428	0.0421	0.0849	0.0157	0.0403	0.0560	0.0000	155.7945	155.7945	0.0260	0.0000	156.4439
2023	0.2094	1.5936	1.7393	3.3400e-003	0.0328	0.0672	0.1000	8.8400e-003	0.0649	0.0737	0.0000	280.3222	280.3222	0.0419	0.0000	281.3683
2024	0.0502	0.1644	0.2016	3.8000e-004	3.7600e-003	6.6200e-003	0.0104	1.0100e-003	6.3900e-003	7.4000e-003	0.0000	32.1920	32.1920	4.8300e-003	0.0000	32.3128
Maximum	0.2094	1.5936	1.7393	3.3400e-003	0.0428	0.0672	0.1000	0.0157	0.0649	0.0737	0.0000	280.3222	280.3222	0.0419	0.0000	281.3683

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1159	0.9587	0.9083	1.8200e-003	0.0272	0.0421	0.0693	9.1800e-003	0.0403	0.0494	0.0000	155.7944	155.7944	0.0260	0.0000	156.4438
2023	0.2094	1.5936	1.7393	3.3400e-003	0.0303	0.0672	0.0975	8.2400e-003	0.0649	0.0731	0.0000	280.3219	280.3219	0.0419	0.0000	281.3681
2024	0.0502	0.1644	0.2015	3.8000e-004	3.4700e-003	6.6200e-003	0.0101	9.4000e-004	6.3900e-003	7.3300e-003	0.0000	32.1919	32.1919	4.8300e-003	0.0000	32.3127
Maximum	0.2094	1.5936	1.7393	3.3400e-003	0.0303	0.0672	0.0975	9.1800e-003	0.0649	0.0731	0.0000	280.3219	280.3219	0.0419	0.0000	281.3681

	ROG	NOx	CO	SO2	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	23.11	0.00	9.39	28.25	0.00	5.29	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-15-2022	9-14-2022	0.5348	0.5348
2	9-15-2022	12-14-2022	0.4861	0.4861
3	12-15-2022	3-14-2023	0.4524	0.4524
4	3-15-2023	6-14-2023	0.4553	0.4553
5	6-15-2023	9-14-2023	0.4553	0.4553
6	9-15-2023	12-14-2023	0.4506	0.4506
7	12-15-2023	3-14-2024	0.2921	0.2921
8	3-15-2024	6-14-2024	0.0006	0.0006
		Highest	0.5348	0.5348

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/15/2022	7/12/2022	5	20	a
2	Demolition Haul	Demolition	6/15/2022	7/12/2022	5	20	b
3	Grading	Grading	7/13/2022	7/24/2022	5	8	c
4	Grading Soil Haul	Grading	7/13/2022	7/24/2022	5	8	d
5	Utilities Trenching	Trenching	7/25/2022	8/7/2022	5	10	e
6	Building Construction	Building Construction	8/8/2022	2/3/2024	5	390	f
7	Architectural Coating	Architectural Coating	2/4/2024	3/1/2024	5	20	g
8	Finishing/Landscaping	Trenching	3/2/2024	3/15/2024	5	10	h

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.63

Acres of Paving: 0.87

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,231; Non-Residential Outdoor: 3,077; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition Haul	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition Haul	Rubber Tired Dozers	0	8.00	247	0.40
Demolition Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading Soil Haul	Graders	0	6.00	187	0.41

Grading Soil Haul	Rubber Tired Dozers	0	6.00	247	0.40
Grading Soil Haul	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Utilities Trenching	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Finishing/Landscaping	Excavators	1	8.00	158	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition Haul	0	0.00	0.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Soil Haul	0	0.00	0.00	100.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities Trenching	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	19.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Finishing/Landscaping	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2120
Total	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2120

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.8800e-003	5.1000e-004	1.0000e-005	1.3000e-004	0.0000	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.4887	0.4887	3.0000e-005	0.0000	0.4894
Worker	5.2000e-004	3.9000e-004	4.5300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2404	1.2404	3.0000e-005	0.0000	1.2413
Total	5.8000e-004	2.2700e-003	5.0400e-003	2.0000e-005	1.5500e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.7291	1.7291	6.0000e-005	0.0000	1.7307

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2119
Total	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2119

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.8800e-003	5.1000e-004	1.0000e-005	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.4887	0.4887	3.0000e-005	0.0000	0.4894
Worker	5.2000e-004	3.9000e-004	4.5300e-003	1.0000e-005	1.3100e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.2404	1.2404	3.0000e-005	0.0000	1.2413
Total	5.8000e-004	2.2700e-003	5.0400e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	4.0000e-004	0.0000	1.7291	1.7291	6.0000e-005	0.0000	1.7307

3.3 Demolition Haul - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3500e-003	0.0000	5.3500e-003	8.1000e-004	0.0000	8.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	5.3500e-003	0.0000	5.3500e-003	8.1000e-004	0.0000	8.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-004	0.0257	6.3800e-003	8.0000e-005	1.7200e-003	7.0000e-005	1.7900e-003	4.7000e-004	7.0000e-005	5.4000e-004	0.0000	7.5323	7.5323	5.2000e-004	0.0000	7.5453
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0000e-004	0.0257	6.3800e-003	8.0000e-005	1.7200e-003	7.0000e-005	1.7900e-003	4.7000e-004	7.0000e-005	5.4000e-004	0.0000	7.5323	7.5323	5.2000e-004	0.0000	7.5453

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2900e-003	0.0000	2.2900e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	2.2900e-003	0.0000	2.2900e-003	3.5000e-004	0.0000	3.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-004	0.0257	6.3800e-003	8.0000e-005	1.6000e-003	7.0000e-005	1.6700e-003	4.4000e-004	7.0000e-005	5.1000e-004	0.0000	7.5323	7.5323	5.2000e-004	0.0000	7.5453
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0000e-004	0.0257	6.3800e-003	8.0000e-005	1.6000e-003	7.0000e-005	1.6700e-003	4.4000e-004	7.0000e-005	5.1000e-004	0.0000	7.5323	7.5323	5.2000e-004	0.0000	7.5453

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0195	0.0000	0.0195	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3300e-003	0.0480	0.0237	6.0000e-005		2.0700e-003	2.0700e-003		1.9000e-003	1.9000e-003	0.0000	4.9526	4.9526	1.6000e-003	0.0000	4.9926
Total	4.3300e-003	0.0480	0.0237	6.0000e-005	0.0195	2.0700e-003	0.0215	0.0101	1.9000e-003	0.0120	0.0000	4.9526	4.9526	1.6000e-003	0.0000	4.9926

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	7.5000e-004	2.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1955	0.1955	1.0000e-005	0.0000	0.1958
Worker	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055
Total	1.5000e-004	8.5000e-004	1.3100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.2000e-004	0.0000	0.5008	0.5008	2.0000e-005	0.0000	0.5013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.3200e-003	0.0000	8.3200e-003	4.3100e-003	0.0000	4.3100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3300e-003	0.0480	0.0237	6.0000e-005		2.0700e-003	2.0700e-003		1.9000e-003	1.9000e-003	0.0000	4.9526	4.9526	1.6000e-003	0.0000	4.9926
Total	4.3300e-003	0.0480	0.0237	6.0000e-005	8.3200e-003	2.0700e-003	0.0104	4.3100e-003	1.9000e-003	6.2100e-003	0.0000	4.9526	4.9526	1.6000e-003	0.0000	4.9926

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0000e-005	7.5000e-004	2.0000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.1955	0.1955	1.0000e-005	0.0000	0.1958
Worker	1.3000e-004	1.0000e-004	1.1100e-003	0.0000	3.2000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3053	0.3053	1.0000e-005	0.0000	0.3055
Total	1.5000e-004	8.5000e-004	1.3100e-003	0.0000	3.7000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.5008	0.5008	2.0000e-005	0.0000	0.5013

3.5 Grading Soil Haul - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-004	0.0129	3.1900e-003	4.0000e-005	8.0000e-004	4.0000e-005	8.4000e-004	2.2000e-004	3.0000e-005	2.6000e-004	0.0000	3.7662	3.7662	2.6000e-004	0.0000	3.7727
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.0000e-004	0.0129	3.1900e-003	4.0000e-005	8.0000e-004	4.0000e-005	8.4000e-004	2.2000e-004	3.0000e-005	2.6000e-004	0.0000	3.7662	3.7662	2.6000e-004	0.0000	3.7727

3.6 Utilities Trenching - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0100e-003	8.8800e-003	0.0163	3.0000e-005		4.3000e-004	4.3000e-004		4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864
Total	1.0100e-003	8.8800e-003	0.0163	3.0000e-005		4.3000e-004	4.3000e-004		4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0100e-003	8.8800e-003	0.0163	3.0000e-005		4.3000e-004	4.3000e-004		4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864
Total	1.0100e-003	8.8800e-003	0.0163	3.0000e-005		4.3000e-004	4.3000e-004		4.0000e-004	4.0000e-004	0.0000	2.2680	2.2680	7.3000e-004	0.0000	2.2864

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432
Total	6.0000e-005	5.0000e-005	5.2000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1431	0.1431	0.0000	0.0000	0.1432

3.7 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0866	0.6564	0.6681	1.1600e-003		0.0309	0.0309		0.0299	0.0299	0.0000	95.3279	95.3279	0.0166	0.0000	95.7430
Total	0.0866	0.6564	0.6681	1.1600e-003		0.0309	0.0309		0.0299	0.0299	0.0000	95.3279	95.3279	0.0166	0.0000	95.7430

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0700e-003	0.0345	9.3000e-003	9.0000e-005	2.3100e-003	6.0000e-005	2.3800e-003	6.7000e-004	6.0000e-005	7.3000e-004	0.0000	8.9792	8.9792	5.4000e-004	0.0000	8.9926
Worker	4.0200e-003	3.0200e-003	0.0348	1.1000e-004	0.0109	9.0000e-005	0.0110	2.9000e-003	8.0000e-005	2.9800e-003	0.0000	9.5177	9.5177	2.6000e-004	0.0000	9.5243
Total	5.0900e-003	0.0375	0.0441	2.0000e-004	0.0132	1.5000e-004	0.0134	3.5700e-003	1.4000e-004	3.7100e-003	0.0000	18.4969	18.4969	8.0000e-004	0.0000	18.5168

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0866	0.6564	0.6681	1.1600e-003		0.0309	0.0309		0.0299	0.0299	0.0000	95.3278	95.3278	0.0166	0.0000	95.7429
Total	0.0866	0.6564	0.6681	1.1600e-003		0.0309	0.0309		0.0299	0.0299	0.0000	95.3278	95.3278	0.0166	0.0000	95.7429

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0700e-003	0.0345	9.3000e-003	9.0000e-005	2.1700e-003	6.0000e-005	2.2300e-003	6.3000e-004	6.0000e-005	6.9000e-004	0.0000	8.9792	8.9792	5.4000e-004	0.0000	8.9926
Worker	4.0200e-003	3.0200e-003	0.0348	1.1000e-004	0.0101	9.0000e-005	0.0102	2.6900e-003	8.0000e-005	2.7700e-003	0.0000	9.5177	9.5177	2.6000e-004	0.0000	9.5243
Total	5.0900e-003	0.0375	0.0441	2.0000e-004	0.0123	1.5000e-004	0.0124	3.3200e-003	1.4000e-004	3.4600e-003	0.0000	18.4969	18.4969	8.0000e-004	0.0000	18.5168

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Off-Road	0.1980	1.5224	1.6394	2.8700e-003		0.0669	0.0669		0.0646	0.0646	0.0000	236.0789	236.0789	0.0401	0.0000	237.0811
Total	0.1980	1.5224	1.6394	2.8700e-003		0.0669	0.0669		0.0646	0.0646	0.0000	236.0789	236.0789	0.0401	0.0000	237.0811

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0645	0.0207	2.2000e-004	5.7300e-003	8.0000e-005	5.8100e-003	1.6500e-003	7.0000e-005	1.7300e-003	0.0000	21.5381	21.5381	1.1700e-003	0.0000	21.5674
Worker	9.3700e-003	6.7600e-003	0.0791	2.5000e-004	0.0271	2.1000e-004	0.0273	7.1900e-003	1.9000e-004	7.3800e-003	0.0000	22.7052	22.7052	5.8000e-004	0.0000	22.7198
Total	0.0113	0.0712	0.0998	4.7000e-004	0.0328	2.9000e-004	0.0331	8.8400e-003	2.6000e-004	9.1100e-003	0.0000	44.2433	44.2433	1.7500e-003	0.0000	44.2873

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1980	1.5224	1.6394	2.8700e-003		0.0669	0.0669		0.0646	0.0646	0.0000	236.0786	236.0786	0.0401	0.0000	237.0808
Total	0.1980	1.5224	1.6394	2.8700e-003		0.0669	0.0669		0.0646	0.0646	0.0000	236.0786	236.0786	0.0401	0.0000	237.0808

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0645	0.0207	2.2000e-004	5.3700e-003	8.0000e-005	5.4400e-003	1.5600e-003	7.0000e-005	1.6400e-003	0.0000	21.5381	21.5381	1.1700e-003	0.0000	21.5674
Worker	9.3700e-003	6.7600e-003	0.0791	2.5000e-004	0.0250	2.1000e-004	0.0252	6.6700e-003	1.9000e-004	6.8600e-003	0.0000	22.7052	22.7052	5.8000e-004	0.0000	22.7198
Total	0.0113	0.0712	0.0998	4.7000e-004	0.0303	2.9000e-004	0.0306	8.2300e-003	2.6000e-004	8.5000e-003	0.0000	44.2433	44.2433	1.7500e-003	0.0000	44.2873

3.7 Building Construction - 2024

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Off-Road	0.0178	0.1383	0.1565	2.8000e-004		5.6300e-003	5.6300e-003		5.4300e-003	5.4300e-003	0.0000	22.7014	22.7014	3.7800e-003	0.0000	22.7959
Total	0.0178	0.1383	0.1565	2.8000e-004		5.6300e-003	5.6300e-003		5.4300e-003	5.4300e-003	0.0000	22.7014	22.7014	3.7800e-003	0.0000	22.7959

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.1800e-003	1.9300e-003	2.0000e-005	5.5000e-004	1.0000e-005	5.6000e-004	1.6000e-004	1.0000e-005	1.7000e-004	0.0000	2.0627	2.0627	1.1000e-004	0.0000	2.0655
Worker	8.5000e-004	5.9000e-004	7.0900e-003	2.0000e-005	2.6000e-003	2.0000e-005	2.6200e-003	6.9000e-004	2.0000e-005	7.1000e-004	0.0000	2.1155	2.1155	5.0000e-005	0.0000	2.1168
Total	1.0300e-003	6.7700e-003	9.0200e-003	4.0000e-005	3.1500e-003	3.0000e-005	3.1800e-003	8.5000e-004	3.0000e-005	8.8000e-004	0.0000	4.1782	4.1782	1.6000e-004	0.0000	4.1823

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Off-Road	0.0178	0.1383	0.1565	2.8000e-004		5.6300e-003	5.6300e-003		5.4300e-003	5.4300e-003	0.0000	22.7014	22.7014	3.7800e-003	0.0000	22.7959
Total	0.0178	0.1383	0.1565	2.8000e-004		5.6300e-003	5.6300e-003		5.4300e-003	5.4300e-003	0.0000	22.7014	22.7014	3.7800e-003	0.0000	22.7959

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.1800e-003	1.9300e-003	2.0000e-005	5.2000e-004	1.0000e-005	5.2000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	2.0627	2.0627	1.1000e-004	0.0000	2.0655
Worker	8.5000e-004	5.9000e-004	7.0900e-003	2.0000e-005	2.4000e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.1155	2.1155	5.0000e-005	0.0000	2.1168
Total	1.0300e-003	6.7700e-003	9.0200e-003	4.0000e-005	2.9200e-003	3.0000e-005	2.9400e-003	7.9000e-004	3.0000e-005	8.2000e-004	0.0000	4.1782	4.1782	1.6000e-004	0.0000	4.1823

3.8 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569
Total	0.0303	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3563	0.3563	1.0000e-005	0.0000	0.3565
Total	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3563	0.3563	1.0000e-005	0.0000	0.3565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568
Total	0.0303	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.0000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3563	0.3563	1.0000e-005	0.0000	0.3565
Total	1.4000e-004	1.0000e-004	1.1900e-003	0.0000	4.0000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3563	0.3563	1.0000e-005	0.0000	0.3565

3.9 Finishing/Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1336	0.1336	0.0000	0.0000	0.1337
Total	5.0000e-005	4.0000e-005	4.5000e-004	0.0000	1.5000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1336	0.1336	0.0000	0.0000	0.1337

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

LST Worksheets

Construction Localized Significance Thresholds: Demolition and Demolition Haul

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
8	1.01	25	82	1.01

Source Receptor Distance (meters)	West San Gabriel Valley	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
25		Tractors	0.5	8	3	1.5
NOx	69	Graders	0.5			0
CO	538	Dozers	0.5	8	1	0.5
PM10	4.02	Scrapers	1			0
PM2.5	3.01					2.00

	Acres	25	50	100	200	500
NOx	1	69	69	81	104	164
	2	98	95	104	124	175
CO	1	69	69	81	104	164
	2	535	783	1158	2229	7270
		812	1125	1594	2785	7957
PM10	1	538	786	1162	2235	7277
	2	4	11	27	58	152
		6	19	34	66	160
PM2.5	1	4	11	27	58	152
	2	3	4	7	18	77
		4	5	9	21	82
		3	4	7	18	77

West San Gabriel Valley	
1.01 Acres	
NOx	25, 69, 81, 104, 164
CO	538, 786, 1162, 2235, 7277
PM10	4, 11, 27, 58, 152
PM2.5	3, 4, 7, 18, 77

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
8	1	8	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Grading and Grading Soil Haul

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
8	1.01	25	82	1.01

Source Receptor Distance (meters)	West San Gabriel Valley	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres	
	25	Tractors	0.5	0.0625	7	1	0.4375
NOx	69	Graders	0.5	0.0625	6	1	0.375
CO	538	Dozers	0.5	0.0625	6	1	0.375
PM10	4.02	Scrapers	1	0.125			0
PM2.5	3.01					Acres	1.19
	Acres	25	50	100	200	500	
NOx	1	69	69	81	104	164	
	2	98	95	104	124	175	
		69	69	81	104	164	
CO	1	535	783	1158	2229	7270	
	2	812	1125	1594	2785	7957	
		538	786	1162	2235	7277	
PM10	1	4	11	27	58	152	
	2	6	19	34	66	160	
		4	11	27	58	152	
PM2.5	1	3	4	7	18	77	
	2	4	5	9	21	82	
		3	4	7	18	77	
West San Gabriel Valley	1.01 Acres						
	25	50	100	200	500		
NOx	69	69	81	104	164		
CO	538	786	1162	2235	7277		
PM10	4	11	27	58	152		
PM2.5	3	4	7	18	77		

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
8	1	8	2
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Utilities Trenching

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
8	0.00	25	82	1.01

Source Receptor Distance (meters)	West San Gabriel Valley	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
	25	Tractors	0.5	0.0625		0
NOx	69	Graders	0.5	0.0625		0
CO	535	Dozers	0.5	0.0625		0
PM10	4.00	Scrapers	1	0.125		0
PM2.5	3.00				Acres	0.00
	Acres	25	50	100	200	500
NOx	1	69	69	81	104	164
	1	69	69	81	104	164
		69	69	81	104	164
CO	1	535	783	1158	2229	7270
	1	535	783	1158	2229	7270
		535	783	1158	2229	7270
PM10	1	4	11	27	58	152
	1	4	11	27	58	152
		4	11	27	58	152
PM2.5	1	3	4	7	18	77
	1	3	4	7	18	77
		3	4	7	18	77
West San Gabriel Valley						
	0.00 Acres					
	25	50	100	200	500	
NOx	69	69	81	104	164	
CO	535	783	1158	2229	7270	
PM10	4	11	27	58	152	
PM2.5	3	4	7	18	77	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
8	1	8	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Building Construction

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
8	0.38	25	82	1.01

Source Receptor Distance (meters)	West San Gabriel Valley	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
Distance (meters)	25	Tractors	0.5	6	1	0.375
NOx	69	Graders	0.5			0
CO	535	Dozers	0.5			0
PM10	4.00	Scrapers	1			0
PM2.5	3.00					0.38
	Acres					
	25	50	100	200	500	
NOx	1	69	81	104	164	
	1	69	81	104	164	
		69	81	104	164	
CO	1	535	1158	2229	7270	
	1	535	1158	2229	7270	
		535	1158	2229	7270	
PM10	1	4	27	58	152	
	1	4	27	58	152	
		4	27	58	152	
PM2.5	1	3	7	18	77	
	1	3	7	18	77	
		3	7	18	77	
West San Gabriel Valley						
0.38 Acres						
	25	50	100	200	500	
NOx	69	69	81	104	164	
CO	535	783	1158	2229	7270	
PM10	4	11	27	58	152	
PM2.5	3	4	7	18	77	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
8	1	8	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Architectural Coating

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
8	0.00	25	82	1.01

Source Receptor Distance (meters)	West San Gabriel Valley	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
	25	Tractors	0.5	0.0625		0
NOx	69	Graders	0.5	0.0625		0
CO	535	Dozers	0.5	0.0625		0
PM10	4.00	Scrapers	1	0.125		0
PM2.5	3.00				Acres	0.00
	Acres	25	50	100	200	500
NOx	1	69	69	81	104	164
	1	69	69	81	104	164
		69	69	81	104	164
CO	1	535	783	1158	2229	7270
	1	535	783	1158	2229	7270
		535	783	1158	2229	7270
PM10	1	4	11	27	58	152
	1	4	11	27	58	152
		4	11	27	58	152
PM2.5	1	3	4	7	18	77
	1	3	4	7	18	77
		3	4	7	18	77
West San Gabriel Valley						
	0.00 Acres					
	25	50	100	200	500	
NOx	69	69	81	104	164	
CO	535	783	1158	2229	7270	
PM10	4	11	27	58	152	
PM2.5	3	4	7	18	77	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
8	1	8	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Construction Localized Significance Thresholds: Finishing and Landscaping

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)	Project site Acreage Disturbed
8	0.00	25	82	1.01

Source Receptor Distance (meters)	West San Gabriel Valley	Equipment	Acres/8-hr Day	Daily hours	Equipment Used	Acres
	25	Tractors	0.5	0.0625		0
NOx	69	Graders	0.5	0.0625		0
CO	535	Dozers	0.5	0.0625		0
PM10	4.00	Scrapers	1	0.125		0
PM2.5	3.00				Acres	0.00
	Acres	25	50	100	200	500
NOx	1	69	69	81	104	164
	1	69	69	81	104	164
		69	69	81	104	164
CO	1	535	783	1158	2229	7270
	1	535	783	1158	2229	7270
		535	783	1158	2229	7270
PM10	1	4	11	27	58	152
	1	4	11	27	58	152
		4	11	27	58	152
PM2.5	1	3	4	7	18	77
	1	3	4	7	18	77
		3	4	7	18	77
West San Gabriel Valley						
	0.00 Acres					
	25	50	100	200	500	
NOx	69	69	81	104	164	
CO	535	783	1158	2229	7270	
PM10	4	11	27	58	152	
PM2.5	3	4	7	18	77	

Acre Below		Acre Above	
SRA No.	Acres	SRA No.	Acres
8	1	8	1
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008